



DANZ Monitoring Fabric Hardware Guide

Arista Networks

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DANZ Monitoring Fabric Hardware Guide

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Headquarters	Support	Sales
5453 Great America Parkway Santa Clara, CA 95054 USA +1-408-547-5500	+1-408-547-5502 +1-866-476-0000	+1-408-547-5501 +1-866-497-0000
www.arista.com/en/	support@arista.com	sales@arista.com

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DMF Controller Nodes

This chapter describes the DMF Controller Nodes available from Arista Networks.

1.1 DMF Controller Node (DCA-DM-CDL) Specification

This section describes the LEDs provided for monitoring environmental and port status on the DMF Controller Node (DCA-DM-CDL).

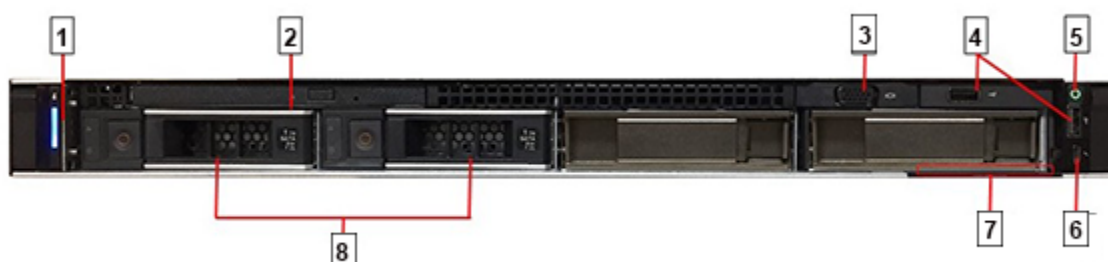
The DMF Controller Node (DCA-DM-CDL) is available as an enterprise-class, 2-socket, 1-RU rack-mounted hardware appliance designed to deliver the right combination of performance, redundancy, and value in a high-density chassis.

Figure 1-1: DMF Controller Node (DCA-DM-CDL) Bezel



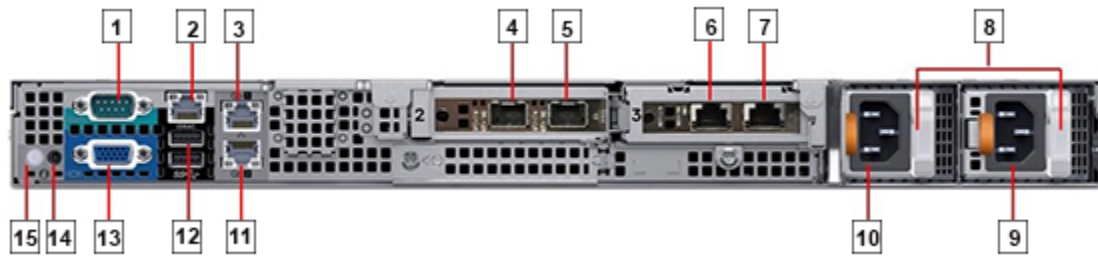
- 1 Controller Node Security Bezel
- 2 LCD menu buttons
- 3 LCD panel

Figure 1-2: DMF Controller Node (DCA-DM-CDL) Front Panel



- | | |
|--|-------------------------------------|
| 1 System identification button / indicator | 5 Power-on indicator / Power button |
| 2 Optical drive | 6 Micro USB (not supported) |
| 3 Video connector | 7 Information tag |
| 4 USB ports | 8 Hard drives |

Figure 1-3: DMF Controller Node (DCA-DM-CDL) Rear Panel



- | | | | |
|---|---|----|---|
| 1 | Serial connector (Default Baud Rate 115200) | 9 | Power Supply 2 |
| 2 | iDRAC Ethernet interface | 10 | Power Supply 1 |
| 3 | Ethernet connector 1 – Controller Node management port 1 (10/100/1000 Mb/s) | 11 | Ethernet connector 2 – Controller Node management port 2 (10/100/1000 Mb/s) |
| 4 | Ethernet connector 3 – Not supported | 12 | USB ports |
| 5 | Ethernet connector 4 – 10-GbE SFP+ packet capture port | 13 | Video connector |
| 6 | Ethernet connector 5 – Not supported | 14 | System identification button |
| 7 | Ethernet connector 6 – Not supported | 15 | System identification indicator |
| 8 | PSU status indicators | | |

1.1.1 LEDs and Indicators

The following table lists the meaning of each LED or other indicator.

Indicator, Button, or Connector	Description	
Power-on indicator	Green: System power is on	
	Off: System power is off	
System identification indicator in front panel	Off: Normal operating conditions	
	Blue blinking: System identification has been activated	
System identification indicator in rear panel	Blue: Normal operation condition	
	Blue blinking: System identification has been activated	
	Amber blinking: Fault detected with error code followed by descriptive text in LCD panel	
10/100/1000 Mbps Ethernet connector 1, 2	Link indicator	Green: A valid 1000 Mb/s network link is established
		Amber: A valid 10/100 Mb/s network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
10G SFP+ Ethernet connector 4	Link indicator	Green: A valid 10G network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
Power Supply status	Green: A valid power source is connected to the power supply and the power supply is operational	
	Amber blinking: Indicates a problem with the power supply	
	Off: Power is off	

1.1.2 Platform Management Tool

DMF Controller Node (DCA-DM-CDL) supports iDRAC 9 platform management tools.

- iDRAC 9 supported feature: remote power management, virtual console.

1.1.3 Technical Specification

Controller Node	DCA-DM-CDL
Processor	2 x Intel Xeon Silver 4114 2.20GHz, 10 Cores, 20 Threads, 9.6GT/s 2UPI, 14M Cache, Turbo, HT, 85W, DDR4-2400
Form Factor (H X W X D)	1-RU Rack Server (4.28cm x 43.4cm x 69.3cm)
Memory	4 X 16 GB RDIMM, 2666 MT/s
Hard Drive	2 X 1 TB 7.2K RPM SATA 6Gbps 3.5in Hot-plug Hard Drives; RAID 1 for H330+
Networking	Embedded NIC: 2 X 1GbE LOM Network Adapter 1: Intel X710 Dual Port 10Gb DA/SFP+ server adapter Network Adapter 2: Intel X550 Dual Port 10Gb Base-T server adapter
Power	2 X Hot Plug Power Supplies 550W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Environment	Specification
Temperature – Continuous	5°C to 40°C (41°F to 104°F) with no direct sunlight on the equipment
Temperature - Storage	-40°C to 65°C (-40°F to 149°F) with a maximum temperature gradation of 20°C per hour
Relative Humidity – Continuous	5% to 85% with 29°C (84.2°F) maximum dew point
Relative Humidity – Storage	5% to 95% at a maximum wet bulb temperature of 33°C (91°F), atmosphere must be non-condensing at all times
Altitude – Continuous	3048m (10,000ft)
Altitude – Storage	12,000m (39,370ft)

1.2 DMF Controller Node (DCA-DM-CDL(HWDL2)) Specification

This section describes the LEDs provided for monitoring environmental and port status on the DMF Controller Node (DCA-DM- CDL(HWDL2)).

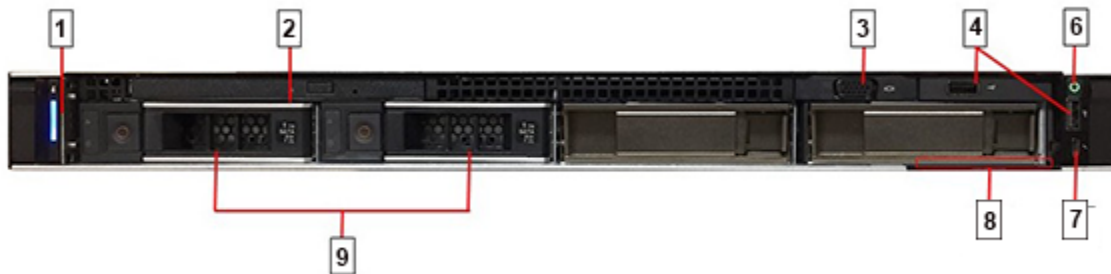
The DMF Controller Node (DCA-DM-CDL(HWDL2)) is available as an enterprise-class, 2-socket, 1-RU rack-mounted hardware appliance designed to deliver the right combination of performance, redundancy, and value in a high-density chassis.

Figure 1-4: DMF Controller Node (DCA-DM-CDL(HWDL2)) Bezel



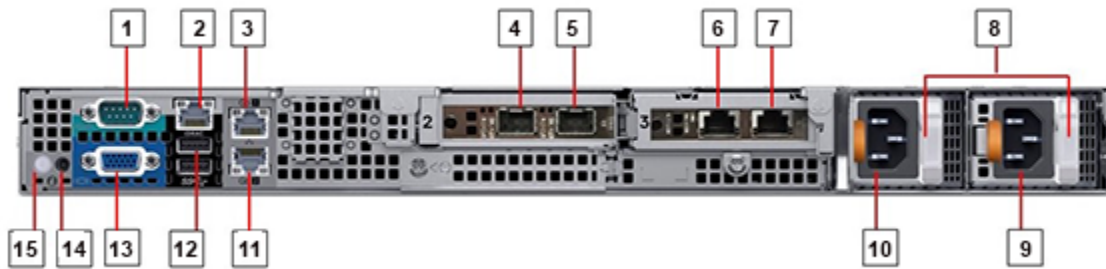
- 1 Controller Node Security Bezel
- 2 LCD menu buttons
- 3 LCD panel

Figure 1-5: DMF Controller Node (DCA-DM-CDL(HWDL2)) Front Panel



- | | |
|--|-------------------------------------|
| 1 System identification button / indicator | 5 Power-on indicator / Power button |
| 2 Optical drive | 6 Micro USB (not supported) |
| 3 Video connector | 7 Information tag |
| 4 USB ports | 8 Hard drives |

Figure 1-6: DMF Controller Node (DCA-DM-CDL(HWDL2)) Rear Panel



- | | | | |
|---|---|----|---|
| 1 | Serial connector (Default Baud Rate 115200) | 9 | Power Supply 2 |
| 2 | iDRAC Ethernet interface | 10 | Power Supply 1 |
| 3 | Ethernet connector 1 – Controller Node management port 1 (10/100/1000 Mb/s) | 11 | Ethernet connector 2 – Controller Node management port 2 (10/100/1000 Mb/s) |
| 4 | Ethernet connector 3 – Not supported | 12 | USB ports |
| 5 | Ethernet connector 4 – 10-GbE SFP+ packet capture port | 13 | Video connector |
| 6 | Ethernet connector 5 – Not supported | 14 | System identification button |
| 7 | Ethernet connector 6 – Not supported | 15 | System identification indicator |
| 8 | PSU status indicators | | |

1.2.1 LEDs and Indicators

The following table lists the meaning of each LED or other indicator.

Indicator, Button, or Connector	Description	
Power-on indicator	Green: System power is on	
	Off: System power is off	
System identification indicator in front panel	Off: Normal operating conditions	
	Blue blinking: System identification has been activated	
System identification indicator in rear panel	Blue: Normal operation condition	
	Blue blinking: System identification has been activated	
	Amber blinking: Fault detected with error code followed by descriptive text in LCD panel	
10/100/1000 Mbps Ethernet connector 1, 2	Link indicator	Green: A valid 1000 Mb/s network link is established
		Amber: A valid 10/100 Mb/s network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
10G SFP+ Ethernet connector 4	Link indicator	Green: A valid 10G network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
Power Supply status	Green: A valid power source is connected to the power supply and the power supply is operational	
	Amber blinking: Indicates a problem with the power supply	
	Off: Power is off	

1.2.2 Platform Management Tool

DMF Controller Node (DCA-DM-CDL(HWDL2)) supports iDRAC 9 platform management tools.

- iDRAC 9 supported feature: remote power management, virtual console.

1.2.3 Technical Specification

Controller Node	DCA-DM-CDL (HWDL2)
Processor	2 x Intel Xeon Silver 4114 2.20GHz, 10 Cores, 20 Threads, 9.6GT/s 2UPI, 14M Cache, Turbo, HT, 85W, DDR4-2400
Form Factor (H X W X D)	1-RU Rack Server (4.28cm x 43.4cm x 69.3cm)
Memory	4 X 16 GB RDIMM, 2666 MT/s
Hard Drive	2 X 1 TB 7.2K RPM SATA 6Gbps 3.5in Hot-plug Hard Drives; RAID 1 for H330+
Networking	Embedded NIC: 2 X 1GbE LOM Network Adapter 1: Broadcom 57412 Dual Port 10Gb SFP+ adapter Network Adapter 2: Broadcom 57416 Dual Port 10Gb Base-T adapter
Power	2 X Hot Plug Power Supplies 550W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Environment	Specification
Temperature – Continuous	5°C to 40°C (41°F to 104°F) with no direct sunlight on the equipment
Temperature - Storage	-40°C to 65°C (-40°F to 149°F) with a maximum temperature gradation of 20°C per hour
Relative Humidity – Continuous	5% to 85% with 29°C (84.2°F) maximum dew point
Relative Humidity – Storage	5% to 95% at a maximum wet bulb temperature of 33°C (91°F), atmosphere must be non-condensing at all times
Altitude – Continuous	3048m (10,000ft)
Altitude – Storage	12,000m (39,370ft)

1.3 DMF Controller Node (DCA-DM-C450) Specification

This section describes the LEDs provided for monitoring environmental and port status on the DMF Controller Node (DCA-DM-C450).

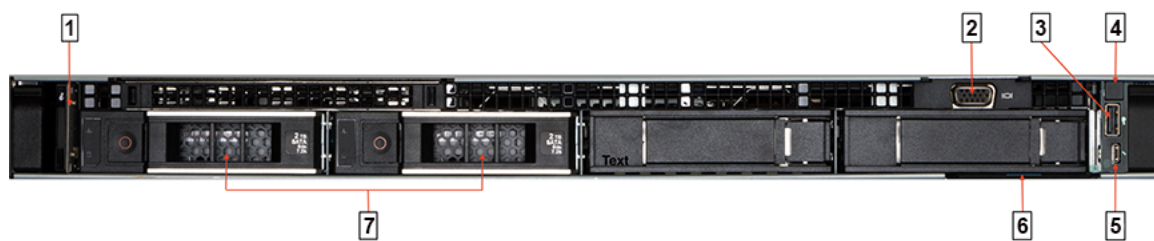
The DMF Controller Node (DCA-DM-C450) is available as an enterprise-class, 2-socket, 1-RU rack-mounted hardware appliance designed to deliver the right combination of performance, redundancy, and value in a high-density chassis.

Figure 1-7: DMF Controller Node (DCA-DM-C450) Bezel



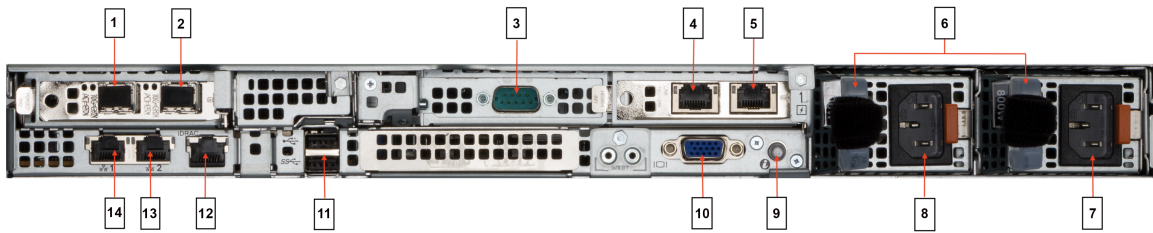
- 1 Controller Node Security Bezel
- 2 LCD menu buttons
- 3 LCD panel

Figure 1-8: DMF Controller Node (DCA-DM-C450) Front Panel



- | | |
|--|-----------------------------|
| 1 System identification button / indicator | 5 Micro USB (not supported) |
| 2 Video connector | 6 Information tag |
| 3 USB ports | 7 Hard drives |
| 4 Power-on indicator / Power button | |

Figure 1-9: DMF Controller Node (DCA-DM-C450) Rear Panel



- | | |
|--|--|
| 1 Ethernet connector 3 – Not supported | 8 Power Supply 1 |
| 2 Ethernet connector 4 – 10-GbE SFP+ packet capture port | 9 System identification indicator/button |
| 3 Serial connector (Default Baud Rate 115200) | 10 Video connector |
| 4 Ethernet connector 5 – Not supported | 11 USB ports |
| 5 Ethernet connector 6 – Not supported | 12 iDRAC Ethernet interface |
| 6 PSU status indicators | 13 Ethernet connector 2 – Controller Node management port 2 (10/100/1000 Mb/s) |
| 7 Power Supply 2 | 14 Ethernet connector 1 – Controller Node management port 1 (10/100/1000 Mb/s) |

1.3.1 LEDs and Indicators

The following table lists the meaning of each LED or other indicator.

Indicator, Button, or Connector	Description	
Power-on indicator	Green: System power is on	
	Off: System power is off	
System identification indicator in front panel	Off: Normal operating conditions	
	Blue blinking: System identification has been activated	
System identification indicator in rear panel	Blue: Normal operation condition	
	Blue blinking: System identification has been activated	
	Amber blinking: Fault detected with error code followed by descriptive text in LCD panel	
10/100/1000 Mbps Ethernet connector 1, 2	Link indicator	Green: A valid 1000 Mb/s network link is established
		Amber: A valid 10/100 Mb/s network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
10G SFP+ Ethernet connector 4	Link indicator	Green: A valid 10G network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
Power Supply status	Green: A valid power source is connected to the power supply and the power supply is operational	
	Amber blinking: Indicates a problem with the power supply	
	Off: Power is off	

1.3.2 Platform Management Tool

DMF Controller Node (DCA-DM-C450) supports iDRAC 9 platform management tools.

- iDRAC 9 supported feature: remote power management, virtual console.

1.3.3 Technical Specification

Controller Node	DCA-DM-C450
Processor	2 x Intel Xeon Silver 4310 2.10GHz, 12 Cores, 24 Threads, 10.4GT/s 2UPI, 18M Cache, Turbo, HT, 120W, DDR4-2666
Form Factor (H X W X D)	1-RU Rack Server (4.28cm x 43.4cm x 69.3cm)
Memory	4 X 16 GB RDIMM, 3200 MT/s
Hard Drive	2 X 2 TB 7.2K RPM SATA 6Gbps 3.5in Hot-plug Hard Drives; RAID 1 for H355
Networking	Embedded NIC: 2 X 1GbE LOM(BCM5720) Network Adapter 1: Intel X710 Dual Port 10Gb SFP+ adapter Network Adapter 2: Intel X710-T2L Dual Port 10Gb Base-T adapter
Power	2 X Hot Plug Power Supplies 800W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Environment	Specification
Temperature – Continuous	5°C to 40°C (41°F to 104°F) with no direct sunlight on the equipment
Temperature - Storage	-40°C to 65°C (-40°F to 149°F) with a maximum temperature gradation of 20°C per hour
Relative Humidity – Continuous	5% to 85% with 29°C (84.2°F) maximum dew point
Relative Humidity – Storage	5% to 95% at a maximum wet bulb temperature of 33°C (91°F), atmosphere must be non-condensing at all times
Altitude – Continuous	3048m (10,000ft)
Altitude – Storage	12,000m (39,370ft)

DMF Service Nodes

This chapter describes the DMF Service Nodes available from Arista Networks.

2.1 DMF Service Node (DCA-DM-SC/DCA-DM-SC2) Specification

This section describes the LEDs provided for monitoring environmental and port status on the DMF Service Node (DCA-DM-SC 960GB and 1.2TB, DCA-DM-SC2, 960GB, currently shipped appliances will have 960GB SSD).

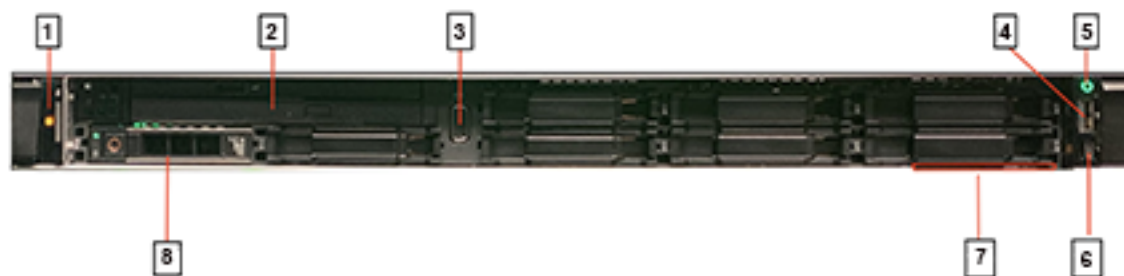
The DMF Service Node (DCA-DM-SC/DCA-DM-SC2) is available as an enterprise-class, 2-socket, 1-RU rack-mounted hardware appliance designed to deliver the right combination of performance, redundancy, and value in a high-density chassis. It has 4 SNIs.

Figure 2-1: DMF Service Node (DCA-DM-SC/DCA-DM-SC2 with 960GB SSD) Bezel



- 1 Controller Node Security Bezel
- 2 LCD menu buttons
- 3 LCD panel

Figure 2-2: DMF Service Node (DCA-DM-SC/DCA-DM-SC2 with 960GB SSD) Front Panel



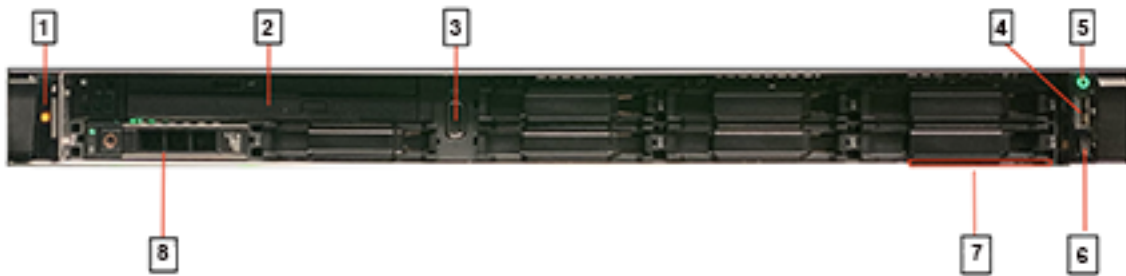
- | | |
|--|-------------------------------------|
| 1 System identification button / indicator | 5 Power-on indicator / Power button |
| 2 Optical drive | 6 Micro USB (not supported) |
| 3 Video connector | 7 Information tag |
| 4 USB ports | 8 Hard drive |

Figure 2-3: DMF Service Node (DCA-DM-SC with 1.2TB HD) Bezel

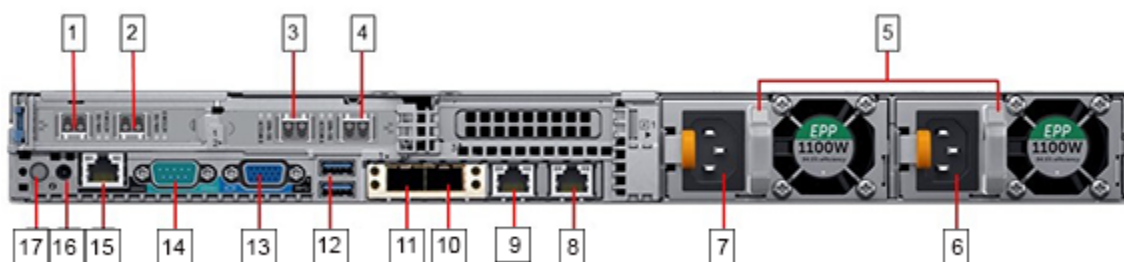


- 1 Controller Node Security Bezel
- 2 LCD menu buttons
- 3 LCD panel

Figure 2-4: DMF Service Node (DCA-DM-SC with 1.2TB HD) Front Panel



- | | |
|--|-------------------------------------|
| 1 System identification button / indicator | 5 Power-on indicator / Power button |
| 2 Optical drive | 6 Micro USB (not supported) |
| 3 Video connector | 7 Information tag |
| 4 USB ports | 8 Hard drive |

Figure 2-5: DMF Service Node (DCA-DM-SC/DCA-DM-SC2) Rear Panel

- | | |
|--|--|
| 1 Ethernet connector 5 – 10-GbE SFP+ Service interfaces SNI1 | 10 Ethernet connector 2 – Not supported |
| 2 Ethernet connector 6 – 10-GbE SFP+ Service interfaces SNI2 | 11 Ethernet connector 1 – Not supported |
| 3 Ethernet connector 7 – 10-GbE SFP+ Service interfaces SNI4 | 12 USB ports |
| 4 Ethernet connector 8 – 10-GbE SFP+ Service interfaces SNI3 | 13 Video connector |
| 5 PSU status indicators | 14 Serial connector (Default Baud Rate 115200) |
| 6 Power Supply 2 | 15 iDRAC Ethernet interface |
| 7 Power Supply 1 | 16 System identification button |
| 8 Ethernet connector 4 – Service Node management port 2 (10/100/1000 Mb/s) | 17 System identification indicator |
| 9 Ethernet connector 3 – Service Node management port 1 (10/100/1000 Mb/s) | |

2.1.1 LEDs and Indicators

The following table lists the meaning of each LED or other indicator.

Indicator, Button, or Connector	Description	
Power-on indicator	Green: System power is on	
	Off: System power is off	
System identification indicator in front panel	Off: Normal operating conditions	
	Blue blinking: System identification has been activated	
System identification indicator in rear panel	Blue: Normal operation condition	
	Blue blinking: System identification has been activated	
	Amber blinking: Fault detected with error code followed by descriptive text in LCD panel	
10/100/1000 Mbps Ethernet connector 3, 4	Link indicator	Green: A valid 1000 Mb/s network link is established
		Amber: A valid 10/100 Mb/s network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
10G SFP+ Service node Ethernet connectors SNI1-4	Link indicator	Green: A valid 10G network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
Power Supply status	Green: A valid power source is connected to the power supply and the power supply is operational.	
	Amber blinking: Indicates a problem with the power supply	
	Off: Power is off	

2.1.2 Platform Management Tool

DMF Service Node (DCA-DM-SC/DCA-DM-SC2) supports iDRAC 9 platform management tools.

- iDRAC 9 supported feature: remote power management, virtual console.

2.1.3 Technical Specification

Controller Node	DCA-DM-SC with 960GB SSD
Processor	1 X Intel Xeon Gold 5118 2.30GHz, 16.5M Cache, 10.4GT/s 2UPI, Turbo, HT, 12C/24T, 105W, DDR4-2400
Form Factor (H X W X D)	1-RU Rack Server (4.28cm x 43.4cm x 75.7cm)
Memory	6 X 8 GB RDIMM, 3200 MT/s
Hard Drive	960GB SSD SATA Mix Use 6Gbps 512n 2.5in Hot-plug AG Hard Drive
Networking	Embedded NIC: Intel X710 Dual Port 10Gb DA/SFP+, I350 Dual Port 1Gb Ethernet LOM Network Adapter 1: Intel X710 Dual Port 10Gb DA/SFP+ server adapter Network Adapter 2: Intel X710 Dual Port 10Gb DA/SFP+ server adapter
Power	2 X Hot Plug Power Supplies 1100W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Controller Node	DCA-DM-SC2 with 960GB SSD
Processor	1 X Intel Xeon Gold 5118 2.30GHz, 16.5M Cache, 10.4GT/s 2UPI, Turbo, HT, 12C/24T, 105W, DDR4-2400
Form Factor (H X W X D)	1-RU Rack Server (4.28cm x 43.4cm x 75.7cm)
Memory	6 X 8 GB RDIMM, 3200 MT/s
Hard Drive	960GB SSD SATA Mix Use 6Gbps 512n 2.5in Hot-plug AG Hard Drive
Networking	Embedded NIC: Intel X710 Dual Port 10Gb DA/SFP+, I350 Dual Port 1Gb Ethernet LOM Network Adapter 1: Intel XXV710 V2 Dual Port 10Gb DA/SFP+ server adapter Network Adapter 2: Intel XXV710 V2 Dual Port 10Gb DA/SFP+ server adapter
Power	2 X Hot Plug Power Supplies 1100W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Controller Node	DCA-DM-SC with 1.2TB HD
Processor	1 X Intel Xeon Gold 5118 2.30GHz, 16.5M Cache, 10.4GT/s 2UPI, Turbo, HT, 12C/24T, 105W, DDR4-2400
Form Factor (H X W X D)	1-RU Rack Server (4.28cm x 43.4cm x 75.7cm)
Memory	6 X 8 GB RDIMM, 3200 MT/s
Hard Drive	1.2 TB 10K RPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drives; No RAID for H330
Networking	Embedded NIC: Intel X710 Dual Port 10Gb DA/SFP+, I350 Dual Port 1Gb Ethernet LOM Network Adapter 1: Intel X710 Dual Port 10Gb DA/SFP+ server adapter Network Adapter 2: Intel X710 Dual Port 10Gb DA/SFP+ server adapter
Power	2 X Hot Plug Power Supplies 1100W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Environment	Specification
Temperature – Continuous	5°C to 40°C (41°F to 104°F) with no direct sunlight on the equipment
Temperature - Storage	-40°C to 65°C (-40°F to 149°F) with a maximum temperature gradation of 20°C per hour
Relative Humidity – Continuous	5% to 85% with 29°C (84.2°F) maximum dew point
Relative Humidity – Storage	5% to 95% at a maximum wet bulb temperature of 33°C (91°F), atmosphere must be non-condensing at all times
Altitude – Continuous	3048m (10,000ft)
Altitude – Storage	12,000m (39,370ft)

2.2 DMF Service Node (DCA-DM-SDL/DCA-DM-SDL2) Specification

The DMF Service Node (DCA-DM-SDL/DCA-DM-SDL2) is available as an enterprise-class, 2-socket, 2RU rack-mount hardware appliance designed for high density, performance, redundancy, and value. It has 16 SNIs.

This section describes the LEDs provided for monitoring environmental and port status on the DMF Service Node (DCA-DM-SDL 960GB and 1.2TB, DCA-DM-SDL2 960GB. Currently shipped appliances will have 960GB SSD).

Figure 2-6: DMF Service Node (DCA-DM-SDL/DCA-DM-SDL2 with 960GB SSD) Bezel



- | | |
|--|-------------------------------------|
| 1 System identification button / indicator | 3 Power-on indicator / Power button |
| 2 Service Node Security Bezel | 4 USB ports |

Figure 2-7: DMF Service Node (DCA-DM-SDL/DCA-DM-SDL2 with 960GB SSD) Front Panel



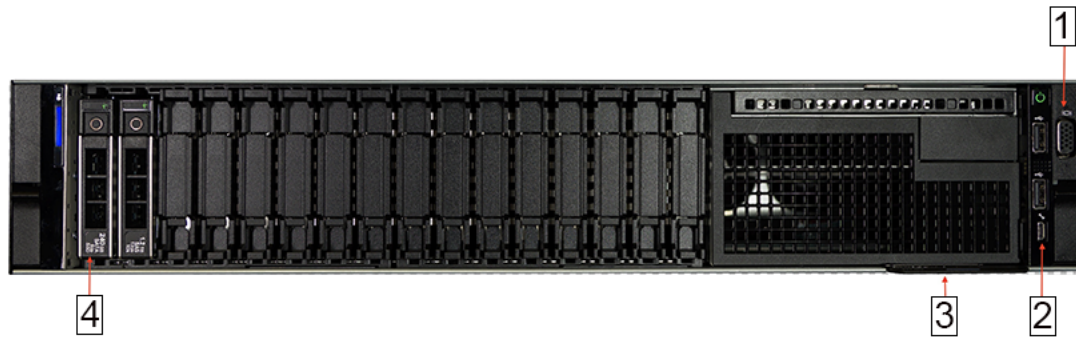
- | | |
|-----------------------------|-------------------|
| 1 Front video connector | 3 Information tag |
| 2 Micro USB (not supported) | 4 Hard drive |

Figure 2-8: DMF Service Node (DCA-DM-SDL with 1.2TB HD) Bezel



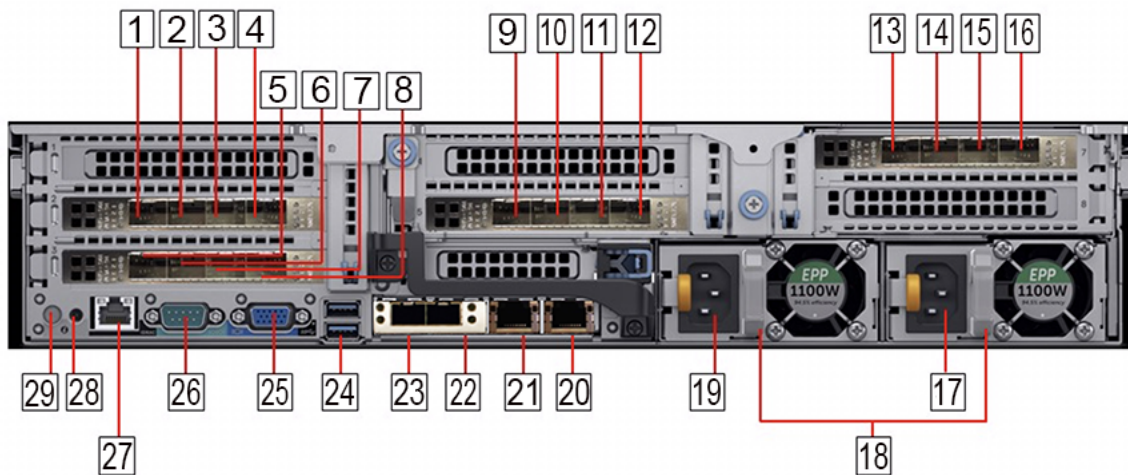
- | | |
|--|-------------------------------------|
| 1 System identification button / indicator | 4 LCD panel |
| 2 Service Node Security Bezel | 5 Power-on indicator / Power button |
| 3 LCD menu buttons | 6 USB ports |

Figure 2-9: DMF Service Node (DCA-DM-SDL with 1.2TB HD) Front Panel



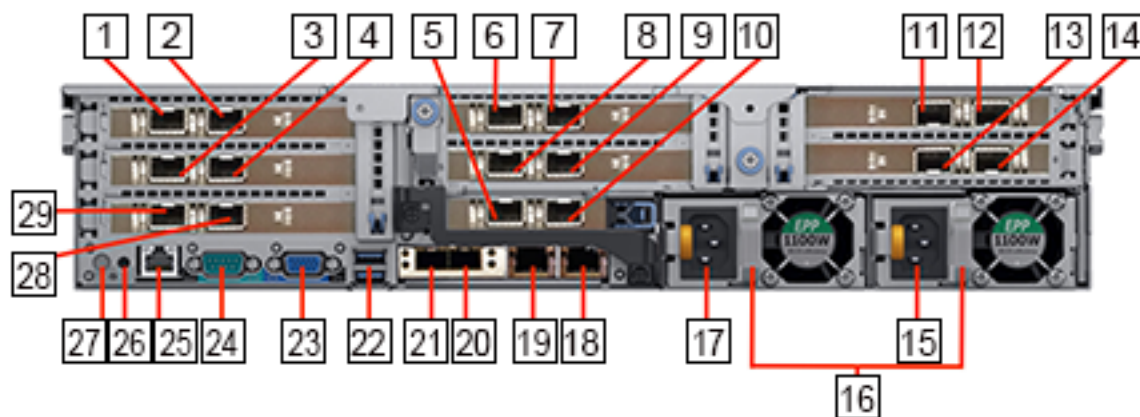
- | | |
|-----------------------------|-------------------|
| 1 Front video connector | 3 Information tag |
| 2 Micro USB (not supported) | 4 Hard drive |

Figure 2-10: DMF Service Node (DCA-DM-SDL) Rear Panel



- | | |
|-----------------------------|---|
| 1 Service interfaces SNI8 | 16 Service interfaces SNI16 |
| 2 Service interfaces SNI7 | 17 Power Supply 2 |
| 3 Service interfaces SNI6 | 18 PSU status indicator |
| 4 Service interfaces SNI5 | 19 Power Supply 1 |
| 5 Service interfaces SNI4 | 20 Ethernet connector 4 – Service Node management port 2 (10/100/1000 Mb/s) |
| 6 Service interfaces SNI3 | 21 Ethernet connector 3 – Service Node management port 1 (10/100/1000 Mb/s) |
| 7 Service interfaces SNI2 | 22 Ethernet connector 2 – Not supported |
| 8 Service interfaces SNI1 | 23 Ethernet connector 1 – Not supported |
| 9 Service interfaces SNI12 | 24 USB ports |
| 10 Service interfaces SNI11 | 25 Rear video connector |
| 11 Service interfaces SNI10 | 26 Serial connector (Default Baud Rate 115200) |
| 12 Service interfaces SNI9 | 27 iDRAC Ethernet interface |
| 13 Service interfaces SNI13 | 28 System identification button |
| 14 Service interfaces SNI14 | 29 System identification indicator |
| 15 Service interfaces SNI15 | |

Figure 2-11: DMF Service Node (DCA-DM-SDL2) Rear Panel



The following lists the meaning of the callouts in the rear panel.

1	Service interfaces SNI4	16	PSU status indicator
2	Service interfaces SNI3	17	Power Supply 1
3	Service interfaces SNI8	18	Ethernet connector 4 – Service Node management port 2 (10/100/1000 Mb/s)
4	Service interfaces SNI7	19	Ethernet connector 3 – Service Node management port 1 (10/100/1000 Mb/s)
5	Service interfaces SNI2	20	Ethernet connector 2 – Not supported
6	Service interfaces SNI14	21	Ethernet connector 1 – Not supported
7	Service interfaces SNI13	22	USB ports
8	Service interfaces SNI10	23	Rear video connector
9	Service interfaces SNI9	24	Serial connector (Default Baud Rate 115200)
10	Service interfaces SNI1	25	iDRAC Ethernet interface
11	Service interfaces SNI11	26	System identification button
12	Service interfaces SNI12	27	System identification indicator
13	Service interfaces SNI15	28	Service interfaces SNI5
14	Service interfaces SNI16	29	Service interfaces SNI6
15	Power Supply 2		

2.2.1 LEDs and Indicators

The following table lists the meaning of each LED or other indicator.

Indicator, Button, or Connector	Description	
Power-on indicator	Green: System power is on	
	Off: System power is off	
LED panel	Blue background: Normal operating conditions	
	Amber background: Fault detected with error code followed by descriptive text	
System identification indicator in front panel	Off: Normal operating conditions	
	Blue blinking: System identification has been activated	
System identification indicator in rear panel	Blue: Normal operation condition	
	Blue blinking: System identification has been activated	
	Amber blinking: Fault detected with error code followed by descriptive text in LCD panel	
10/100/1000 Mbps Ethernet connector 1, 2	Link indicator	Green: A valid 1000 Mb/s network link is established
		Amber: A valid 10/100 Mb/s network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
10G SFP+ Service node Ethernet connectors SNI1-16	Link indicator	Green: A valid 10G network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
Power Supply status	Green: A valid power source is connected to the power supply and the power supply is operational.	
	Amber blinking: Indicates a problem with the power supply	
	Off: Power is off	

2.2.2 Platform Management Tool

DMF Service Node (DCA-DM-SDL/DCA-DM-SDL2) supports iDRAC 9 platform management tools.

- iDRAC 9 supported feature: remote power management, virtual console.

2.2.3 Technical Specification

Service Node	DCA-DM-SDL with 960GB SSD
Processor	2 X Intel Xeon Silver 4116 2.1GHz, 16M Cache, 9.6GT/s 2UPI, Turbo, HT, 12C/24T, 85W, DDR4-2400
Form Factor (H X W X D)	2U Rack Server (8.68cm x 43.40cm x 73.75cm)
Memory	12 X 8GB RDIMM, 3200 MT/s, Single Rank
Hard Drive	960GB SSD SATA Mix Use 6Gbps 512n 2.5in Hot-plug AG Drives
Networking	Embedded NIC: Intel X710 DP 10Gb DA/SFP+, +I350 DP 1Gb Ethernet Daughter card Network Adapter: 4 X Intel X710 Quad Port 10Gb DA/SFP+, Converged Network Adapters
Power	Dual, Hot-plug, Redundant Power Supplies (1+1) 1100W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Service Node	DCA-DM-SDL2 with 960GB SSD
Processor	2 X Intel Xeon Silver 4116 2.1GHz, 16M Cache, 9.6GT/s 2UPI, Turbo, HT, 12C/24T, 85W, DDR4-2400
Form Factor (H X W X D)	2U Rack Server (8.68cm x 43.40cm x 73.75cm)
Memory	12 X 8GB RDIMM, 3200 MT/s, Single Rank
Hard Drive	960GB SSD SATA Mix Use 6Gbps 512n 2.5in Hot-plug AG Drives
Networking	Embedded NIC: Intel X710 DP 10Gb DA/SFP+, +I350 DP 1Gb Ethernet Daughter card Network Adapter: 8 X Intel XXV710 Dual Port 10/25GbE AFP28 PCIe Adapters
Power	Dual, Hot-plug, Redundant Power Supplies (1+1) 1100W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Service Node	DCA-DM-SDL with 1.2TB HD
Processor	2 X Intel Xeon Silver 4116 2.1GHz, 16M Cache, 9.6GT/s 2UPI, Turbo, HT, 12C/24T, 85W, DDR4-2400
Form Factor (H X W X D)	2U Rack Server (8.68cm x 43.40cm x 73.75cm)
Memory	12 X 8GB RDIMM, 3200 MT/s, Single Rank
Hard Drive	1.2TB 10K RPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drives
Networking	Embedded NIC: Intel X710 DP 10Gb DA/SFP+, +I350 DP 1Gb Ethernet Daughter card Network Adapter: 4 X Intel X710 Quad Port 10Gb DA/SFP+, Converged Network Adapters
Power	Dual, Hot-plug, Redundant Power Supplies (1+1) 1100W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Environment	Specification
Temperature – Continuous	10°C to 35°C (50°F to 95°F) with no direct sunlight on the equipment
Temperature - Storage	-40°C to 65°C (-40°F to 149°F) with a maximum temperature gradation of 20°C per hour
Relative Humidity – Continuous	10% to 80% with 29°C (84.2°F) maximum dew point
Relative Humidity – Storage	5% to 95% relative humidity with 33°C (91°F) maximum dew point, atmosphere must be non-condensing at all times
Altitude – Continuous	3048m (10,000ft)
Altitude – Storage	12,000m (39,370ft)

2.3 DMF Service Node (DCA-DM-SEL) Specification

This section describes the LEDs provided for monitoring environmental and port status on the DMF Service Node (DCA-DM-SEL 960GB and 1.2TB, currently shipped appliances will have 960GB SSD).

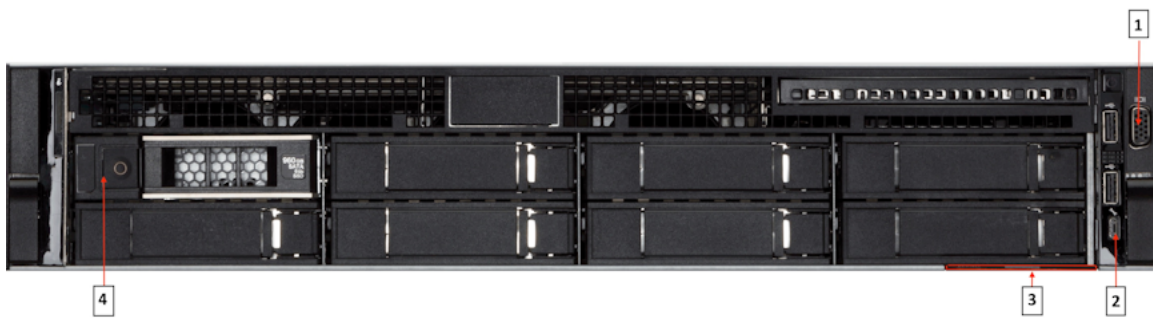
The DMF Service Node (DCA-DM-SEL) is available as an enterprise-class, 2-socket, 2RU rack-mount hardware appliance designed for high density, performance, redundancy, and value. It has 16 SNIs.

Figure 2-12: DMF Service Node (DCA-DM-SEL with 960GB SSD) Bezel



- | | |
|--|-------------------------------------|
| 1 System identification button / indicator | 3 Power-on indicator / Power button |
| 2 Service Node Security Bezel | 4 USB ports |

Figure 2-13: DMF Service Node (DCA-DM-SEL with 960GB SSD) Front Panel



- | | |
|-----------------------------|-------------------|
| 1 Front video connector | 3 Information tag |
| 2 Micro USB (not supported) | 4 Hard drive |

Figure 2-14: DMF Service Node (DCA-DM-SEL with 1.2TB HD) Bezel



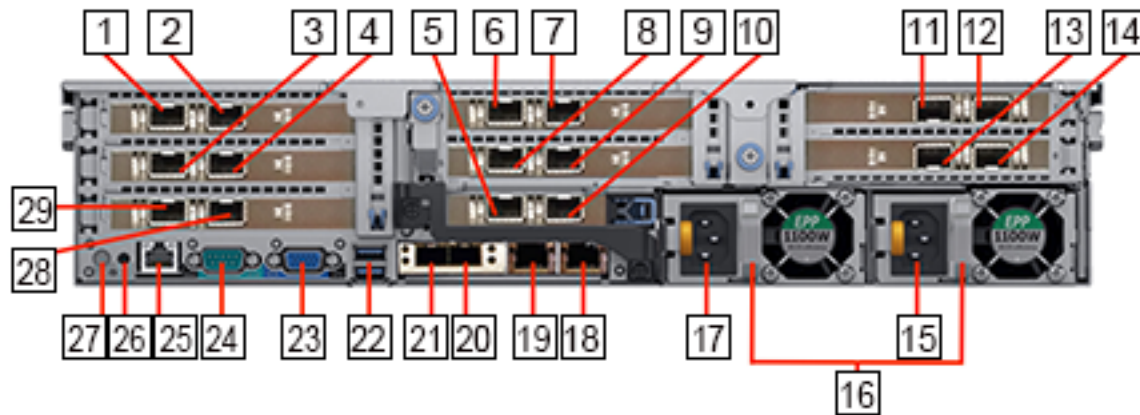
- | | | | |
|---|--|---|-----------------------------------|
| 1 | System identification button / indicator | 4 | LCD panel |
| 2 | Service Node Security Bezel | 5 | Power-on indicator / Power button |
| 3 | LCD menu buttons | 6 | USB ports |

Figure 2-15: DMF Service Node (DCA-DM-SEL with 1.2TB HD) Front Panel)



- | | | | |
|---|---------------------------|---|---------------------------|
| 1 | Front video connector | 3 | Micro USB (not supported) |
| 2 | Micro USB (not supported) | 4 | Hard drive |

Figure 2-16: DMF Service Node (DCA-DM-SEL) Rear Panel



The following lists the meaning of the callouts in the rear panel.

- | | |
|-----------------------------|---|
| 1 Service interfaces SNI4 | 16 PSU status indicator |
| 2 Service interfaces SNI3 | 17 Power Supply 1 |
| 3 Service interfaces SNI8 | 18 Ethernet connector 4 – Service Node management port 2 (10/100/1000 Mb/s) |
| 4 Service interfaces SNI7 | 19 Ethernet connector 3 – Service Node management port 1 (10/100/1000 Mb/s) |
| 5 Service interfaces SNI2 | 20 Ethernet connector 2 – Not supported |
| 6 Service interfaces SNI14 | 21 Ethernet connector 1 – Not supported |
| 7 Service interfaces SNI13 | 22 USB ports |
| 8 Service interfaces SNI10 | 23 Rear video connector |
| 9 Service interfaces SNI9 | 24 Serial connector (Default Baud Rate 115200) |
| 10 Service interfaces SNI1 | 25 iDRAC Ethernet interface |
| 11 Service interfaces SNI11 | 26 System identification button |
| 12 Service interfaces SNI12 | 27 System identification indicator |
| 13 Service interfaces SNI15 | 28 Service interfaces SNI5 |
| 14 Service interfaces SNI16 | 29 Service interfaces SNI6 |
| 15 Power Supply 2 | |

2.3.1 LEDs and Indicators

The following table lists the meaning of each LED or other indicator.

Indicator, Button, or Connector	Description	
Power-on indicator	Green: System power is on	
	Off: System power is off	
LED panel	Blue background: Normal operating conditions	
	Amber background: Fault detected with error code followed by descriptive text	
System identification indicator in front panel	Off: Normal operating conditions	
	Blue blinking: System identification has been activated	
System identification indicator in rear panel	Blue: Normal operation condition	
	Blue blinking: System identification has been activated	
	Amber blinking: Fault detected with error code followed by descriptive text in LCD panel	
10/100/1000 Mbps Ethernet connector 1, 2	Link indicator	Green: A valid 1000 Mb/s network link is established
		Amber: A valid 10/100 Mb/s network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
25G SFP+ Service node Ethernet connectors SNI1-16	Link indicator	Green: A valid 25G network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
Power Supply status	Green: A valid power source is connected to the power supply and the power supply is operational.	
	Amber blinking: Indicates a problem with the power supply	
	Off: Power is off	

2.3.2 Platform Management Tool

DMF Service Node (DCA-DM-SEL) supports iDRAC 9 platform management tools.

- iDRAC 9 supported feature: remote power management, virtual console.

2.3.3 Technical Specification

Service Node	DCA-DM-SEL with 960GB SSD
Processor	2 X Intel Xeon Gold 6248 2.5GHz, 27.5M Cache, 10.4GT/s, Turbo, HT, 20C/40T, 150W, DDR4-2933
Form Factor (H X W X D)	2U Rack Server (8.68cm x 43.40cm x 73.75cm)
Memory	24 X 16GB RDIMM, 2933 MT/s, Dual Rank
Hard Drive	960GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive
Networking	Embedded NIC: Intel X710 DP 10Gb DA/SFP+, +I350 DP 1Gb Ethernet Daughter card Network Adapter: 8 X Intel XXV710 Dual Port 10/25GbE SFP28 PCIe Adapters
Power	Dual, Hot-plug, Redundant Power Supplies (1+1) 1100W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Service Node	DCA-DM-SEL with 1.2TB HD
Processor	2 X Intel Xeon Gold 6248 2.5GHz, 27.5M Cache, 10.4GT/s, Turbo, HT, 20C/40T, 150W, DDR4-2933
Form Factor (H X W X D)	2U Rack Server (8.68cm x 43.40cm x 73.75cm)
Memory	24 X 16GB RDIMM, 2933 MT/s, Dual Rank
Hard Drive	1.2HD 10K RPM SAS 12Gbps 512 2.5in Hot-plug Hard Drive
Networking	Embedded NIC: Intel X710 DP 10Gb DA/SFP+, +I350 DP 1Gb Ethernet Daughter card Network Adapter: 8 X Intel XXV710 Dual Port 10/25GbE SFP28 PCIe Adapters
Power	Dual, Hot-plug, Redundant Power Supplies (1+1) 1100W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Environment	Specification
Temperature – Continuous	10°C to 35°C (50°F to 95°F) with no direct sunlight on the equipment
Temperature - Storage	-40°C to 65°C (-40°F to 149°F) with a maximum temperature gradation of 20°C per hour
Relative Humidity – Continuous	10% to 80% with 29°C (84.2°F) maximum dew point
Relative Humidity – Storage	5% to 95% relative humidity with 33°C (91°F) maximum dew point, atmosphere must be non-condensing at all times
Altitude – Continuous	3048m (10,000ft)
Altitude – Storage	12,000m (39,370ft)

Arista Analytics Nodes

This chapter describes the Arista Analytics Nodes available from Arista Networks.

3.1 Arista Analytics Node (DCA-DM-AA/DCA-DM-AA2/DCA-DM-AA3) Specification

This section describes the LEDs provided for monitoring environmental and port status on the Arista Analytics Node (DCA-DM-AA/DCA-DM-AA2/DCA-DM-AA3).

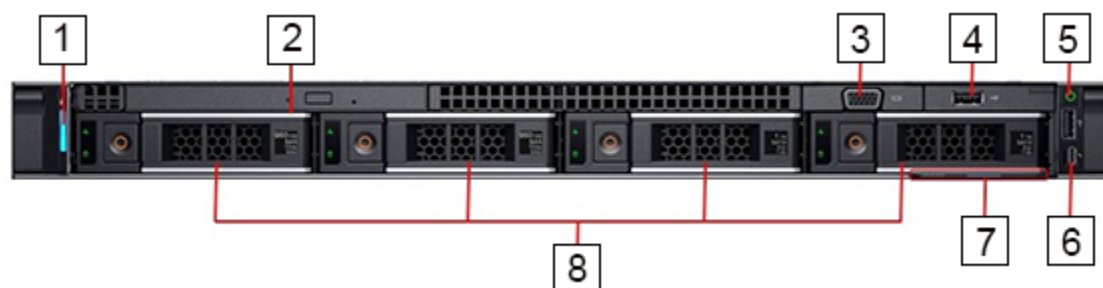
The Arista Analytics Node (DCA-DM-AA/DCA-DM-AA2/DCA-DM-AA3) is available as an enterprise-class, 2-socket, 1 RU rack-mounted hardware appliance designed to deliver the right combination of performance, redundancy, and value in a high-density chassis.

Figure 3-1: Arista Analytics Node (DCA-DM-AA/DCA-DM-AA2/DCA-DM-AA3) Bezel

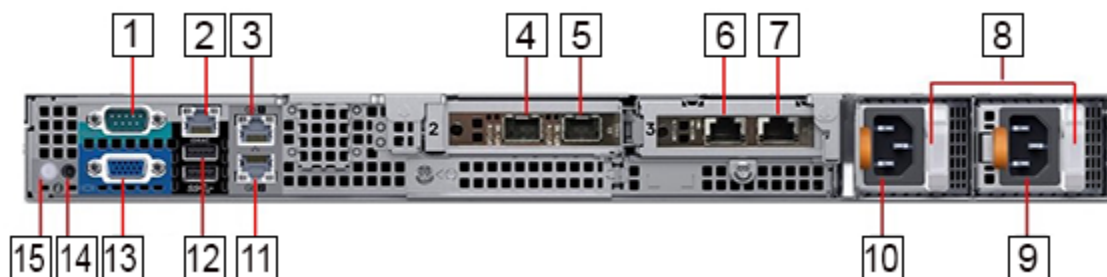


- 1 Analytics Node Security Bezel
- 2 LCD menu buttons
- 3 LCD panel

Figure 3-2: Arista Analytics Node (DCA-DM-AA/DCA-DM-AA2/DCA-DM-AA3) Front Panel



- | | |
|--|-------------------------------------|
| 1 System identification button / indicator | 5 Power-on indicator / Power button |
| 2 Optical drive | 6 Micro USB (not supported) |
| 3 Video connector | 7 Information tag |
| 4 USB ports | 8 Hard drives |

Figure 3-3: Arista Analytics Node (DCA-DM-AA/DCA-DM-AA2/DCA-DM-AA3) Rear Panel

The following lists the meaning of the callouts in the rear panel.

- | | |
|--|---|
| 1 Serial connector (Default Baud Rate 115200) | 9 Power Supply 2 |
| 2 iDRAC Ethernet interface | 10 Power Supply 1 |
| 3 Ethernet connector 1 – Analytics Node management port 1, Active (10/100/1000 Mb/s) | 11 Ethernet connector 2 – Analytics Node management port 2, Backup (10/100/1000 Mb/s) |
| 4 Ethernet connector 3 – Analytics Node 10-GbE SFP+ Collector Interface 1, Active | 12 USB ports |
| 5 Ethernet connector 4 – Analytics Node 10-GbE SFP+ Collector Interface 2, Backup | 13 Video connector |
| 6 Ethernet connector 5 – Not supported | 14 System identification button |
| 7 Ethernet connector 6 – Not supported | 15 System identification indicator |
| 8 PSU status indicators | |

3.1.1 LEDs and Indicators

The following table lists the meaning of each LED or other indicator.

Indicator, Button, or Connector	Description	
Power-on indicator	Green: System power is on	
	Off: System power is off	
System identification indicator in front panel	Off: Normal operating conditions	
	Blue blinking: System identification has been activated	
System identification indicator in rear panel	Blue: Normal operation condition	
	Blue blinking: System identification has been activated	
	Amber blinking: Fault detected with error code followed by descriptive text in LCD panel	
10/100/1000 Mbps Ethernet connector 1, 2	Link indicator	Green: A valid 1000 Mb/s network link is established
		Amber: A valid 10/100 Mb/s network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
10G SFP+ Ethernet connector 3, 4	Link indicator	Green: A valid 10G network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
Power Supply status	Green: A valid power source is connected to the power supply and the power supply is operational.	
	Amber blinking: Indicates a problem with the power supply	
	Off: Power is off	

3.1.2 Platform Management Tool

Arista Analytics Node (DCA-DM-AA/DCA-DM-AA2/DCA-DM-AA3) supports iDRAC 9 platform management tools.

- iDRAC 9 supported feature: Remote power management, virtual console.

3.1.3 Technical Specification

Analytics Node	DCA-DM-AA/DCA-DM-AA2/DCA-DM-AA3
Processor	2 x Intel Xeon Silver 4114 2.20GHz, 10 Cores, 20 Threads, 9.6GT/s 2UPI, 14M Cache, Turbo, HT, 85W, DDR4-2400
Form Factor (H X W X D)	1-RU Rack Server (4.28cm x 43.4cm x 69.3cm)
Memory	8 X 16 GB RDIMM, 2666 MT/s
Hard Drive	2 X 960 GB SSD SAS Hot-plug Drive 2 X 1 TB 7.2K RPM SATA 6Gbps 3.5in Hot-plug Hard Drives; No RAID, PERC H330+
Networking	Embedded NIC: 2 X 1GbE LOM Network Adapter 1: Intel X710 Dual Port 10Gb DA/SFP+ server adapter Network Adapter 2: Intel X550 Dual Port 10Gb Base-T server adapter
Power	2 X Hot Plug Power Supplies 550W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Environment	Specification
Temperature – Continuous	5°C to 40°C (41°F to 104°F) with no direct sunlight on the equipment
Temperature - Storage	-40°C to 65°C (-40°F to 149°F) with a maximum temperature gradation of 20°C per hour
Relative Humidity – Continuous	5% to 85% with 29°C (84.2°F) maximum dew point
Relative Humidity – Storage	5% to 95% at a maximum wet bulb temperature of 33°C (91°F), atmosphere must be non-condensing at all times
Altitude – Continuous	3048m (10,000ft)
Altitude – Storage	12,000m (39,370ft)

3.2 Arista Analytics Node (DCA-DM-AN450) Specification

This section describes the LEDs provided for monitoring environmental and port status on the Arista Analytics Node (DCA-DM- AN450).

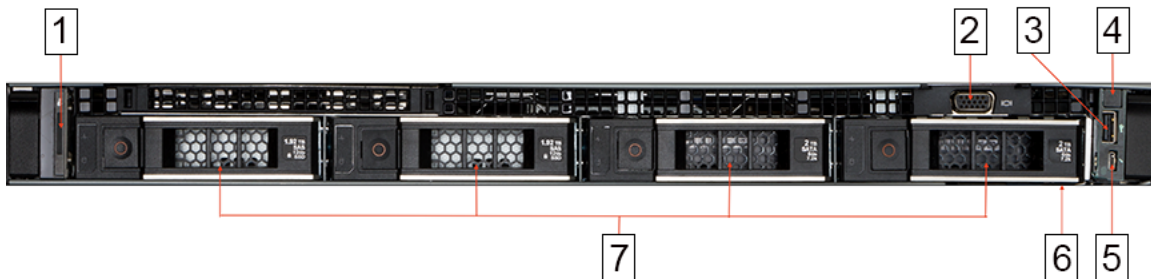
The Arista Analytics Node (DCA-DM-AN450) is available as an enterprise-class, 2-socket, 1-RU rack-mounted hardware appliance designed to deliver the right combination of performance, redundancy, and value in a high-density chassis.

Figure 3-4: DMF Analytics Node (DCA-DM-AN450) Bezel

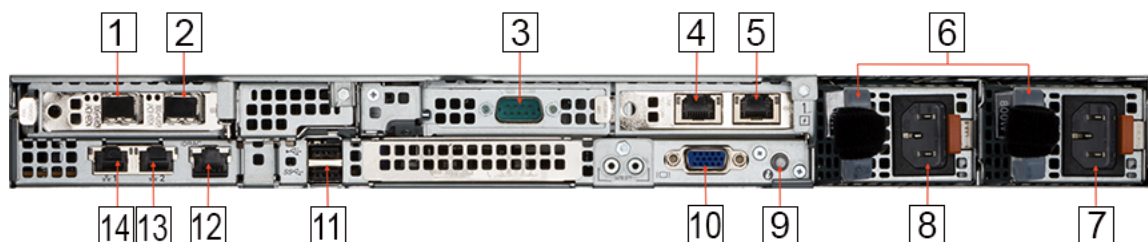


- 1 Controller Node Security Bezel
- 2 LCD menu buttons
- 3 LCD panel

Figure 3-5: DMF Analytics Node (DCA-DM-AN450) Front Panel



- | | |
|--|-----------------------------|
| 1 System identification button / indicator | 5 Micro USB (not supported) |
| 2 Video connector | 6 Information tag |
| 3 USB ports | 7 Hard drives |
| 4 Power-on indicator / Power button | |

Figure 3-6: DMF Analytics Node (DCA-DM-AN450) Rear Panel

- | | |
|---|---|
| 1 Ethernet connector 3 – Analytics Node 10-GbE SFP+ Collector Interface 1, Active | 8 Power Supply 1 |
| 2 Ethernet connector 4 – Analytics Node 10-GbE SFP+ Collector Interface 2, Backup | 9 System identification indicator/button |
| 3 Serial connector (Default Baud Rate 115200) | 10 Video connector |
| 4 Ethernet connector 5 – Not supported | 11 USB ports |
| 5 Ethernet connector 6 – Not supported | 12 iDRAC Ethernet interface |
| 6 PSU status indicators | 13 Ethernet connector 2 – Analytics Node management port 2 (10/100/1000 Mb/s) |
| 7 Power Supply 2 | 14 Ethernet connector 1 – Analytics Node management port 1 (10/100/1000 Mb/s) |

3.2.1 LEDs and Indicators

The following table lists the meaning of each LED or other indicator.

Indicator, Button, or Connector	Description	
Power-on indicator	Green: System power is on	
	Off: System power is off	
System identification indicator in front panel	Off: Normal operating conditions	
	Blue blinking: System identification has been activated	
System identification indicator in rear panel	Blue: Normal operation condition	
	Blue blinking: System identification has been activated	
	Amber blinking: Fault detected with error code followed by descriptive text in LCD panel	
10/100/1000 Mbps Ethernet connector 1, 2	Link indicator	Green: A valid 1000 Mb/s network link is established
		Amber: A valid 10/100 Mb/s network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
10G SFP+ Ethernet connector 4	Link indicator	Green: A valid 10G network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
Power Supply status	Green: A valid power source is connected to the power supply and the power supply is operational	
	Amber blinking: Indicates a problem with the power supply	
	Off: Power is off	

3.2.2 Platform Management Tool

Arista Analytics Node (DCA-DM-AN450) supports iDRAC 9 platform management tools.

- iDRAC 9 supported feature: remote power management, virtual console.

3.2.3 Technical Specification

Analytics Node	DCA-DM-AN450
Processor	2 x Intel Xeon Silver 4310 2.10GHz, 12 Cores, 24 Threads, 10.4GT/s 2UPI, 18M Cache, Turbo, HT, 120W, DDR4-2666
Form Factor (H X W X D)	1-RU Rack Server (4.28cm x 43.4cm x 69.3cm)
Memory	8 X 16 GB RDIMM, 3200 MT/s
Hard Drive	2 X 1.92 TB SSD vSAS Mixed Use 12Gbps 3.5in; AG Drive SED, 3DWPD 2 X 2 TB 7.2K RPM SATA 6Gbps 3.5in Hot-plug Hard Drives; No RAID, PERC H355
Networking	Embedded NIC: 2 X 1GbE LOM(BCM5720) Network Adapter 1: Intel X710 Dual Port 10Gb SFP+ adapter Network Adapter 2: Intel X710-T2L Dual Port 10Gb Base-T adapter
Power	2 X Hot Plug Power Supplies 800W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Environment	Specification
Temperature – Continuous	5°C to 40°C (41°F to 104°F) with no direct sunlight on the equipment
Temperature - Storage	-40°C to 65°C (-40°F to 149°F) with a maximum temperature gradation of 20°C per hour
Relative Humidity – Continuous	5% to 85% with 29°C (84.2°F) maximum dew point
Relative Humidity – Storage	5% to 95% at a maximum wet bulb temperature of 33°C (91°F), atmosphere must be non-condensing at all times
Altitude – Continuous	3048m (10,000ft)
Altitude – Storage	12,000m (39,370ft)

DMF Recorder Nodes

This chapter describes the DMF Recorder Nodes available from Arista Networks.

4.1 DMF Recorder Node (DCA-DM-RA) Specification

This section describes the LEDs provided for monitoring environmental and port status on the DMF Recorder Node (DCA-DM-RA).

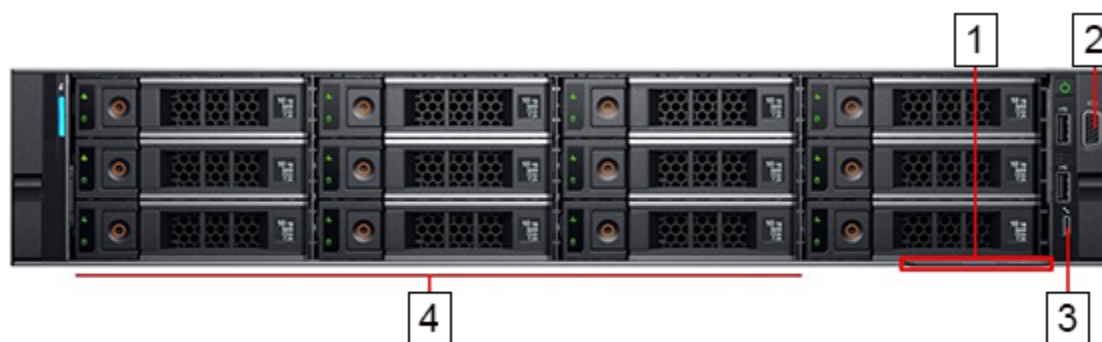
The DMF Recorder Node (DCA-DM-RA) is available as an enterprise-class, 2-socket, 2-RU rack-mounted hardware appliance designed to deliver the right combination of performance, redundancy, and value in a high-density chassis. It has 160TB data storage capacity.

Figure 4-1: DMF Recorder Node (DCA-DM-RA) Bezel



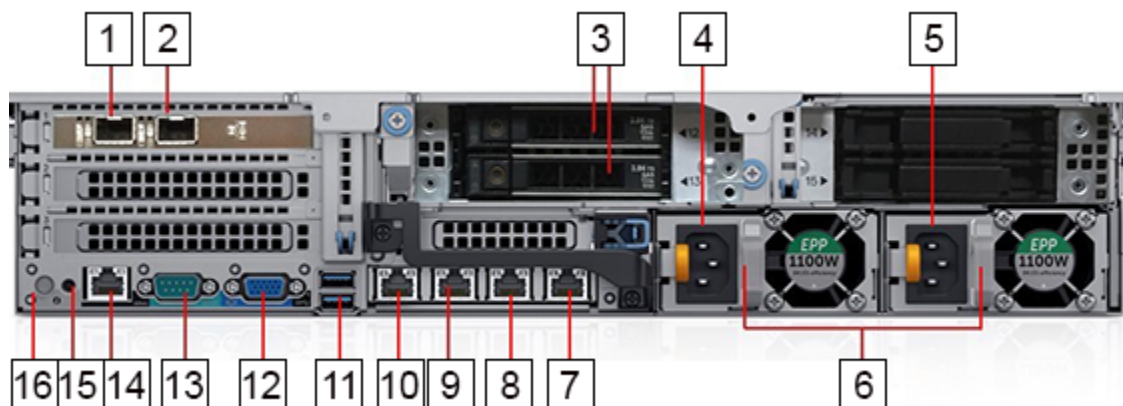
- | | |
|--|-------------------------------------|
| 1 System identification button / indicator | 4 LCD panel |
| 2 Recorder Node Security Bezel | 5 Power-on indicator / Power button |
| 3 LCD menu buttons | 6 USB ports |

Figure 4-2: DMF Recorder Node (DCA-DM-RA) Front Panel



- | | |
|-------------------|-----------------------------|
| 1 Information tag | 3 Micro USB (not supported) |
| 2 Video connector | 4 Hard drives |

Figure 4-3: DMF Recorder Node (DCA-DM-RA) Rear Panel



- | | |
|---|--|
| 1 Ethernet connector 1 – Not Supported | 9 Ethernet connector 4 – Recorder Node management port 2, Backup (10/100/1000 Mb/s) |
| 2 Ethernet connector 2 – 10-GbE SFP+ Recorder Interface | 10 Ethernet connector 3 – Recorder Node management port 1, Active (10/100/1000 Mb/s) |
| 3 SSD drives | 11 USB ports |
| 4 Power Supply 1 | 12 Video connector |
| 5 Power Supply 2 | 13 Serial connector (Default Baud Rate 115200) |
| 6 PSU status indicators | 14 iDRAC Ethernet interface |
| 7 Ethernet connector 6 – Not supported | 15 System identification button |
| 8 Ethernet connector 5 – Not supported | 16 System identification indicator |

4.1.1 LEDs and Indicators

The following table lists the meaning of each LED or other indicator.

Indicator, Button, or Connector	Description	
Power-on indicator	Green: System power is on	
	Off: System power is off	
System identification indicator in front panel	Off: Normal operating conditions	
	Blue blinking: System identification has been activated	
System identification indicator in rear panel	Blue: Normal operation condition	
	Blue blinking: System identification has been activated	
	Amber blinking: Fault detected with error code followed by descriptive text in LCD panel	
10/100/1000 Mbps Ethernet connector 3, 4	Link indicator	Green: A valid 1000 Mb/s network link is established
		Amber: A valid 10/100 Mb/s network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
10G SFP+ Ethernet connector 2	Link indicator	Green: A valid 10G network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
Power Supply status	Green: A valid power source is connected to the power supply and the power supply is operational.	
	Amber blinking: Indicates a problem with the power supply	
	Off: Power is off	

4.1.2 Platform Management Tool

DMF Recorder Node (DCA-DM-RA) supports iDRAC 9 platform management tools.

- iDRAC 9 supported feature: Remote power management, virtual console.

4.1.3 Technical Specification

Recorder Node	DCA-DM-RA
Processor	2 x Intel Xeon Gold 6136 3.0GHz, 12 Cores, 24 Threads, 10.4GT/s 2UPI, 24.75M Cache, Turbo, HT, 150W, DDR4-2666
Form Factor (H X W X D)	2-RU Rack Server (8.68cm x 43.4cm x 71.6cm)
Memory	12 X 16 GB RDIMM, 2666 MT/s, Dual Rank
Hard Drive	12 X 10 TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drives 4 X 10 TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Internal Hard Drives 2 X 3.84TB SSD SAS Read Intensive 12Gb 512e 2.5in Flex Bay Drives
Networking	Embedded NIC: Intel X550 Dual Port 10Gb Base-T + I350 Dual Port 1Gb Base-T rNDC adapter Network Adapter 1: Intel X710 Dual Port 10Gb DA/SFP+ server adapter
Power	2 X Hot Plug Power Supplies 1100W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Environment	Specification
Temperature – Continuous	10°C to 35°C (50°F to 95°F) with no direct sunlight on the equipment
Temperature - Storage	-40°C to 65°C (-40°F to 149°F) with a maximum temperature gradation of 20°C per hour
Relative Humidity – Continuous	10% to 80% with 29°C (84.2°F) maximum dew point
Relative Humidity – Storage	5% to 95% RH with 33°C (91°F) maximum dew point, atmosphere must be non-condensing at all times
Altitude – Continuous	3048m (10,000ft)
Altitude – Storage	12,000m (39,370ft)

4.2 DMF Recorder Node (DCA-DM-RA2) Specification

This section describes the LEDs provided for monitoring environmental and port status on the DMF Recorder Node (DCA-DM-RA2).

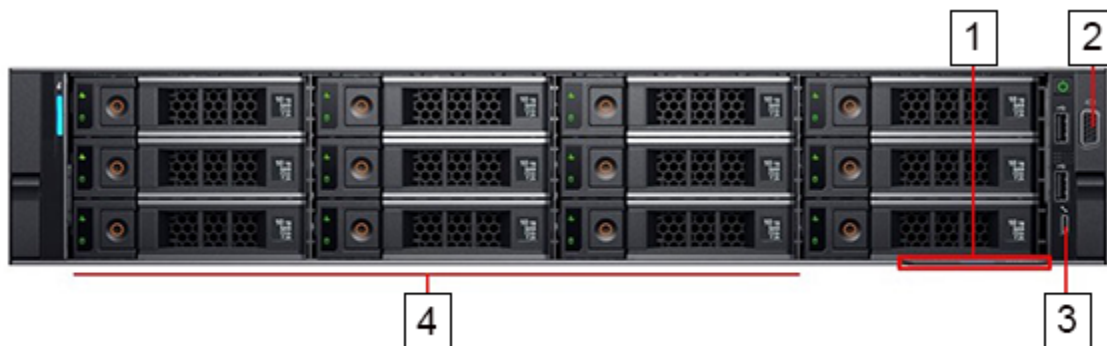
The DMF Recorder Node (DCA-DM-RA2) is available as an enterprise-class, 2-socket, 2-RU rack-mounted hardware appliance designed to deliver the right combination of performance, redundancy, and value in a high-density chassis. It has 160TB data storage capacity.

Figure 4-4: DMF Recorder Node (DCA-DM-RA2) Bezel

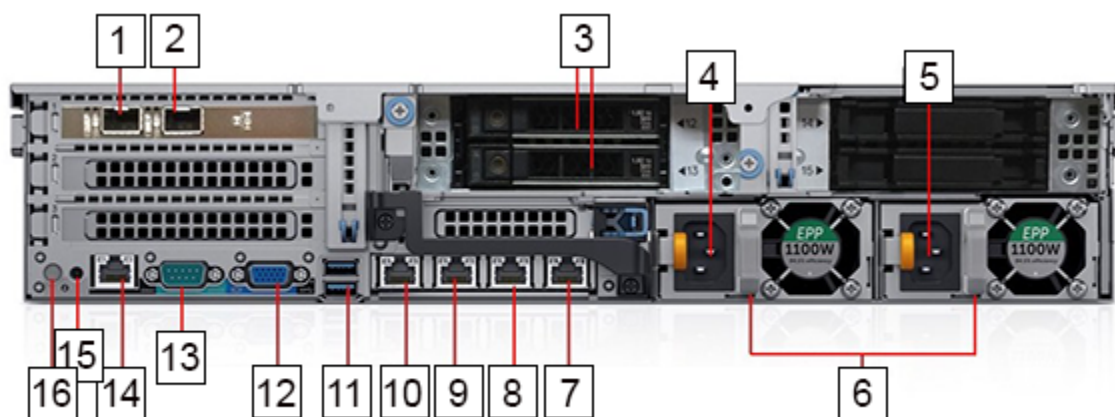


- | | |
|--|-------------------------------------|
| 1 System identification button / indicator | 4 LCD panel |
| 2 Recorder Node Security Bezel | 5 Power-on indicator / Power button |
| 3 LCD menu buttons | 6 USB ports |

Figure 4-5: DMF Recorder Node (DCA-DM-RA2) Front Panel



- | | |
|-------------------|-----------------------------|
| 1 Information tag | 3 Micro USB (not supported) |
| 2 Video connector | 4 Hard drives |

Figure 4-6: DMF Recorder Node (DCA-DM-RA2) Rear Panel

- | | |
|---|--|
| 1 Ethernet connector 1 – Not Supported | 9 Ethernet connector 4 – Recorder Node management port 2, Backup (10/100/1000 Mb/s) |
| 2 Ethernet connector 2 – 10/25-GbE SFP28 Recorder Interface | 10 Ethernet connector 3 – Recorder Node management port 1, Active (10/100/1000 Mb/s) |
| 3 SSD drives | 11 USB ports |
| 4 Power Supply 1 | 12 Video connector |
| 5 Power Supply 2 | 13 Serial connector (Default Baud Rate 115200) |
| 6 PSU status indicators | 14 iDRAC Ethernet interface |
| 7 Ethernet connector 6 – Not supported | 15 System identification button |
| 8 Ethernet connector 5 – Not supported | 16 System identification indicator |

4.2.1 LEDs and Indicators

The following table lists the meaning of each LED or other indicator.

Indicator, Button, or Connector	Description	
Power-on indicator	Green: System power is on	
	Off: System power is off	
System identification indicator in front panel	Off: Normal operating conditions	
	Blue blinking: System identification has been activated	
System identification indicator in rear panel	Blue: Normal operation condition	
	Blue blinking: System identification has been activated	
	Amber blinking: Fault detected with error code followed by descriptive text in LCD panel	
10/100/1000 Mbps Ethernet connector 3, 4	Link indicator	Green: A valid 1000 Mb/s network link is established
		Amber: A valid 10/100 Mb/s network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
10G/25G SFP28 Ethernet connector 2	Link indicator	Green: A valid 25G network link is established
		Amber: A valid 10G network link is established
		Green blinking: Recorder port indicator - no transceiver detected or link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
Power Supply status	Green: A valid power source is connected to the power supply and the power supply is operational.	
	Amber blinking: Indicates a problem with the power supply	
	Off: Power is off	

4.2.2 Platform Management Tool

DMF Recorder Node (DCA-DM-RA2) supports iDRAC 9 platform management tools.

- iDRAC 9 supported feature: Remote power management, virtual console.

4.2.3 Technical Specification

Recorder Node	DCA-DM-RA2
Processor	2 x Intel Xeon Gold 6248 2.5GHz, 20 Cores, 40 Threads, 10.4GT/s, 27.5M Cache, Turbo, HT, 150W, DDR4-2933
Form Factor (H X W X D)	2-RU Rack Server (8.68cm x 43.4cm x 71.6cm)
Memory	12 X 16 GB RDIMM, 2933 MT/s, Dual Rank
Hard Drive	12 X 10 TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drives 4 X 10 TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Internal Hard Drives 2 X 3.84TB SSD SAS Read Intensive 12Gb 512e 2.5in Flex Bay Drives
Networking	Embedded NIC: Intel X550 Dual Port 10Gb Base-T + I350 Dual Port 1Gb Base-T rNDC adapter Network Adapter 1: Intel XXV710 Dual Port 10/25GbE SFP28 PCIe server adapter, Full height
Power	2 X Hot Plug Power Supplies 1100W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Environment	Specification
Temperature – Continuous	10°C to 35°C (50°F to 95°F) with no direct sunlight on the equipment
Temperature - Storage	-40°C to 65°C (-40°F to 149°F) with a maximum temperature gradation of 20°C per hour
Relative Humidity – Continuous	10% to 80% with 29°C (84.2°F) maximum dew point
Relative Humidity – Storage	5% to 95% RH with 33°C (91°F) maximum dew point, atmosphere must be non-condensing at all times
Altitude – Continuous	3048m (10,000ft)
Altitude – Storage	12,000m (39,370ft)

4.3 DMF Recorder Node (DCA-DM-RA3) Specification

This section describes the LEDs provided for monitoring environmental and port status on the DMF Recorder Node (DCA-DM-RA3).

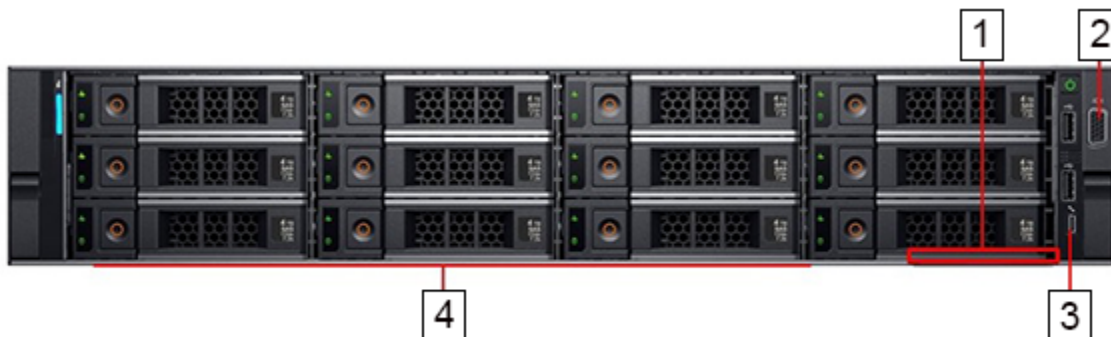
The DMF Recorder Node (DCA-DM-RA3) is available as an enterprise-class, 2-socket, 2-RU rack-mounted hardware appliance designed to deliver the right combination of performance, redundancy, and value in a high-density chassis. It has 192TB data storage capacity.

Figure 4-7: DMF Recorder Node (DCA-DM-RA3) Bezel



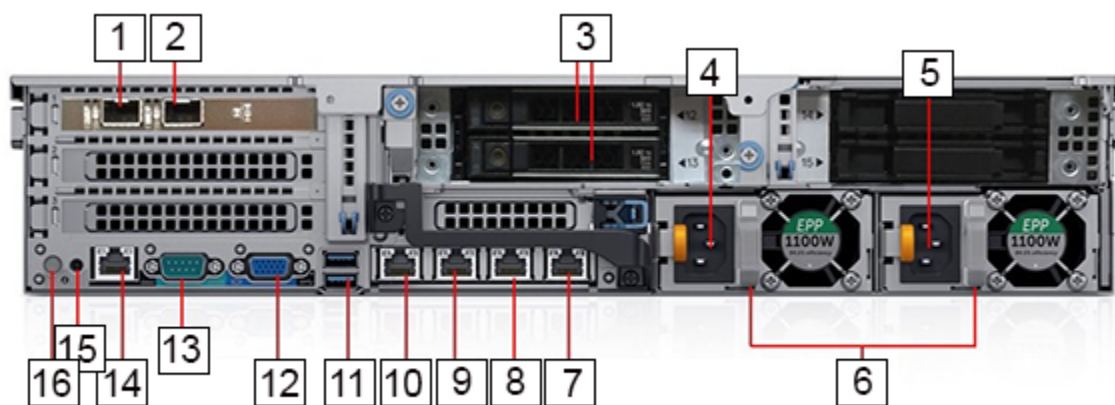
- | | |
|--|-------------------------------------|
| 1 System identification button / indicator | 4 LCD panel |
| 2 Recorder Node Security Bezel | 5 Power-on indicator / Power button |
| 3 LCD menu buttons | 6 USB ports |

Figure 4-8: DMF Recorder Node (DCA-DM-RA3) Front Panel



- | | |
|-------------------|-----------------------------|
| 1 Information tag | 3 Micro USB (not supported) |
| 2 Video connector | 4 Hard drives |

Figure 4-9: DMF Recorder Node (DCA-DM-RA3) Rear Panel



- | | |
|---|--|
| 1 Ethernet connector 1 – Not Supported | 9 Ethernet connector 4 – Recorder Node management port 2, Backup (10/100/1000 Mb/s) |
| 2 Ethernet connector 2 – 10/25-GbE SFP28 Recorder Interface | 10 Ethernet connector 3 – Recorder Node management port 1, Active (10/100/1000 Mb/s) |
| 3 SSD drives | 11 USB ports |
| 4 Power Supply 1 | 12 Video connector |
| 5 Power Supply 2 | 13 Serial connector (Default Baud Rate 115200) |
| 6 PSU status indicators | 14 iDRAC Ethernet interface |
| 7 Ethernet connector 6 – Not supported | 15 System identification button |
| 8 Ethernet connector 5 – Not supported | 16 System identification indicator |

4.3.1 LEDs and Indicators

The following table lists the meaning of each LED or other indicator.

Indicator, Button, or Connector	Description	
Power-on indicator	Green: System power is on	
	Off: System power is off	
System identification indicator in front panel	Off: Normal operating conditions	
	Blue blinking: System identification has been activated	
System identification indicator in rear panel	Blue: Normal operation condition	
	Blue blinking: System identification has been activated	
	Amber blinking: Fault detected with error code followed by descriptive text in LCD panel	
10/100/1000 Mbps Ethernet connector 3, 4	Link indicator	Green: A valid 1000 Mb/s network link is established
		Amber: A valid 10/100 Mb/s network link is established
		Off: Link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
10G/25G SFP28 Ethernet connector 2	Link indicator	Green: A valid 25G network link is established
		Amber: A valid 10G network link is established
		Green blinking: Recorder port indicator - no transceiver detected or link is down
	Activity indicator	Green blinking: Network data is being sent or received
		Off: No link activity
Power Supply status	Green: A valid power source is connected to the power supply and the power supply is operational.	
	Amber blinking: Indicates a problem with the power supply	
	Off: Power is off	

4.3.2 Platform Management Tool

DMF Recorder Node (DCA-DM-RA3) supports iDRAC 9 platform management tools.

- iDRAC 9 supported feature: Remote power management, virtual console.

4.3.3 Technical Specification

Recorder Node	DCA-DM-RA3
Processor	2 x Intel Xeon Gold 6248 2.5GHz, 20 Cores, 40 Threads, 10.4GT/s, 27.5M Cache, Turbo, HT, 150W, DDR4-2933
Form Factor (H X W X D)	2-RU Rack Server (8.68cm x 43.4cm x 71.6cm)
Memory	16 X 16 GB RDIMM, 2933 MT/s, Dual Rank
Hard Drive	12 X 12 TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drives 4 X 12 TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Internal Hard Drives 2 X 7.68TB SSD SAS Read Intensive 12Gb 512e 2.5in Flex Bay Drives
Networking	Embedded NIC: Intel X550 Dual Port 10Gb Base-T + I350 Dual Port 1Gb Base-T rNDC adapter Network Adapter 1: Intel XXV710 Dual Port 10/25GbE SFP28 PCIe server adapter, Full height
Power	2 X Hot Plug Power Supplies 1100W
Additional Features	Fan fault tolerance; ECC memory; interactive LCD screen; ENERGY STAR® compliant

Environment	Specification
Temperature – Continuous	10°C to 35°C (50°F to 95°F) with no direct sunlight on the equipment
Temperature - Storage	-40°C to 65°C (-40°F to 149°F) with a maximum temperature gradation of 20°C per hour
Relative Humidity – Continuous	10% to 80% with 29°C (84.2°F) maximum dew point
Relative Humidity – Storage	5% to 95% RH with 33°C (91°F) maximum dew point, atmosphere must be non-condensing at all times
Altitude – Continuous	3048m (10,000ft)
Altitude – Storage	12,000m (39,370ft)

Arista Supported Hardware

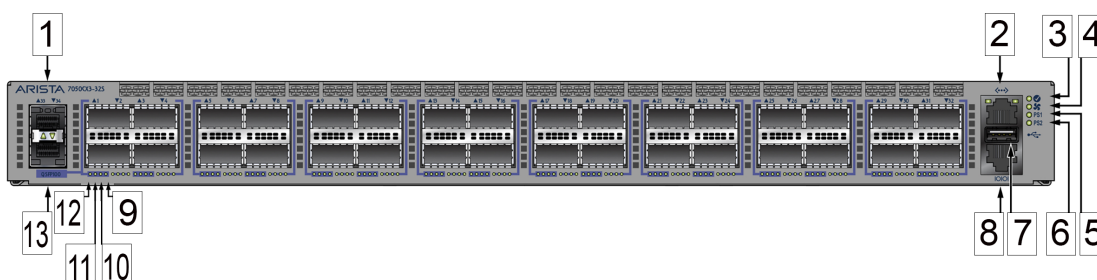
This chapter describes the hardware available from Arista that is supported for use with the current release of DANZ Monitoring Fabric.

5.1 Arista 7050CX3-32S Specifications

This section describes the LEDs provided for monitoring environmental and switch port status on the Arista 7050CX3-32S switch.

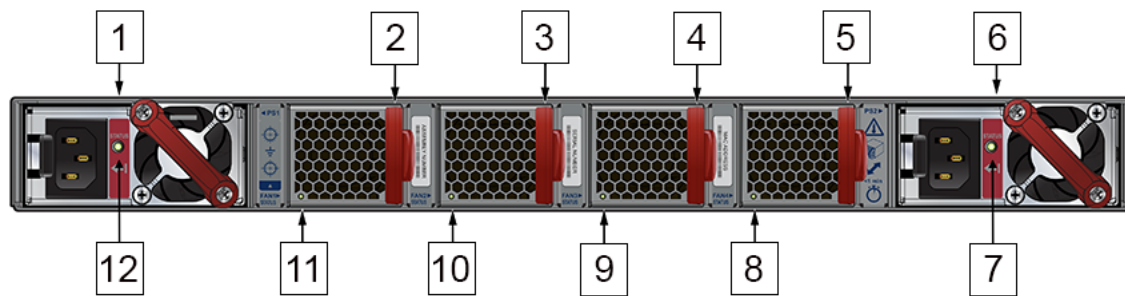
5.1.1 Switch LEDs for Monitoring Port and Environmental Status

Figure 5-1: Port and Environmental LEDs (Front Panel)



- | | | | |
|---|---------------------------|----|---|
| 1 | Port 33 1/10-GbE | 8 | Console Port (Default Baud Rate 9600) |
| 2 | Management Port | 9 | Port X:4 Breakout 10/25-GbE Link/Activity LED |
| 3 | System Status/Locator LED | 10 | Port X:3 Breakout 10/25-GbE Link/Activity LED |
| 4 | Fan Status LED | 11 | Port X:2 Breakout 10/25-GbE Link/Activity LED |
| 5 | Power Supply 1 Status LED | 12 | 40/100-GbE or Port X:1 Breakout 10/25-GbE Link/Activity LED |
| 6 | Power Supply 2 Status LED | 13 | Port 34 1/10-GbE (Not supported) |
| 7 | USB Port | | |

Figure 5-2: Port and Environmental LEDs (Rear Panel)



- | | | | |
|---|-------------|----|-----------------|
| 1 | PS1 Module | 7 | PS2 Status LED |
| 2 | Fan1 Module | 8 | Fan4 Status LED |
| 3 | Fan2 Module | 9 | Fan3 Status LED |
| 4 | Fan3 Module | 10 | Fan2 Status LED |
| 5 | Fan4 Module | 11 | Fan1 Status LED |
| 6 | PS2 Module | 12 | PS1 Status LED |

5.1.2 Port and Environmental LEDs

LED	Description
System Status	Green: Normal operation
	Green blinking: System is powering up
	Amber: Two or more fans (any combination of fan modules or PSU fans) are disconnected or malfunctioning or incompatible
	Blue/Blinking Blue: The locator function is active
PSU[1:2] Status	Green: Normal operation
	Red: One of the power supplies has failed or missing
	Off: No power
Fan Status	Green: Fan Modules powered and running at the expected rpm
	Amber blinking: One of more Fan tray failed
Status LED on Power Supply	Green: Input power present - Normal operation
	Amber: Input power present - Power Supply fault
	Off: No Input power Supply installed in chassis
Status LED on Fan Tray	Green: The fan is operating normally.
	Red: The fan has failed
	Off: The fan module is not detected. If it is inserted, it may not be seated properly

Port	LED	Description
1-GbE SFP 10-GbE SFP+	Link Status	Green: Link is up, a valid 1/10-GbE network link is established.
		Amber: Link is in disabled state
		Off: Link is down
40-GbE QSFP+ 100-GbE QSFP28	Link Status	Green: Link is up, a valid 40/100-GbE network link is established
		Amber Link is in disabled state
		Off: Link is down
4X10G QSFP+ breakout 4X25G QSFP28 breakout	Link Status	Green: Link is up, a valid 10/25-GbE network link is established
		Amber: Link is in disabled state
		Off: Link is down
Management Port	Link /Activity	Green: A valid network link is established
		Green blinking: Network Activity in progress
		Off: Link is down
	Speed	Green: A valid 10/100/1000-Mb/s network link is established
		Off: Link is down



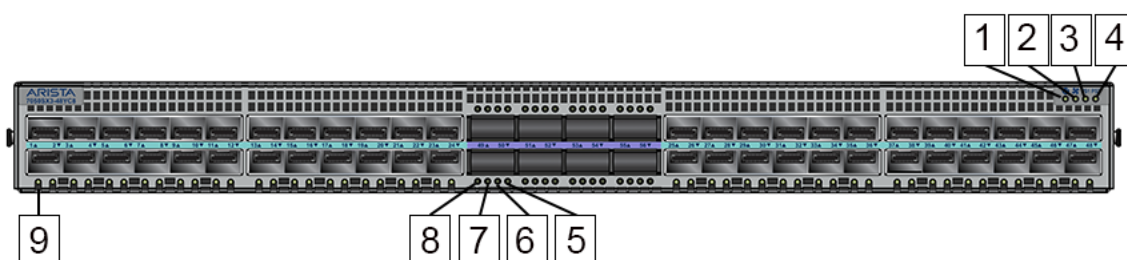
Note: Use the `show switch <switch-name> interface all properties` command from the controller CLI to display the breakout capabilities of the specified switch. For a list of breakout capable ports on each supported switch, refer to the **DANZ Monitoring Fabric Hardware Compatibility List**.

5.2 Arista 7050SX3-48YC8 Specifications

This section describes the LEDs provided for monitoring environmental and switch port status on the Arista 7050SX3-48YC8 switch.

5.2.1 Switch LEDs for Monitoring Port and Environmental Status

Figure 5-3: Port and Environmental LEDs (Front Panel)



- | | |
|---|---|
| 1 System Status/Locator LED | 6 Port X:3 Breakout 10/25-GbE Link/Activity LED |
| 2 Fan Status LED | 7 Port X:2 Breakout 10/25-GbE Link/Activity LED |
| 3 Power Supply 1 Status LED | 8 40/100-GbE or Port X:1 Breakout 10/25-GbE Link/Activity LED |
| 4 Power Supply 2 Status LED | 9 1/10/25-GbE Link LED |
| 5 Port X:4 Breakout 10/25-GbE Link/Activity LED | |

Figure 5-4: Port and Environmental LEDs (Rear Panel)



- | | |
|-------------------|--|
| 1 PS1 Status LED | 7 Fan2 Status LED |
| 2 Management Port | 8 Fan1 Status LED |
| 3 Fan1 Module | 9 USB Port |
| 4 Fan2 Module | 10 Console Port (Default Baud Rate 9600) |
| 5 PS2 Status LED | 11 PS1 Module |
| 6 PS2 Module | |

5.2.2 Port and Environmental LEDs

LED	Description
System Status	Green: Normal operation
	Green blinking: System is powering up
	Amber: Two or more fans (any combination of fan modules or PSU fans) are disconnected or malfunctioning or incompatible
	Blue/Blinking Blue: The locator function is active
PSU[1:2] Status	Green: Normal operation
	Red: One of the power supplies has failed or missing
	Off: No power
Fan Status	Green: Fan Modules powered and running at the expected rpm
	Amber blinking: One of more Fan tray failed
Status LED on Power Supply	Green: Input power present - Normal operation
	Amber: Input power present - Power Supply fault
	Off: No Input power Supply installed in chassis
Status LED on Fan Tray	Green: The fan is operating normally. This LED state is exclusive to its fan module, and independent of the states of its neighboring fans and power supplies
	Red: The fan has failed
	Off: The fan module is not detected. If it is inserted, it may not be seated properly

Port	LED	Description
1-GbE SFP 10-GbE SFP+ 25-GbE SFP28	Link Status	Green: Link is up, a valid 1/10/25-GbE network link is established.
		Amber: Link is in disabled state
		Off: Link is down
40-GbE QSFP+ 100-GbE QSFP28	Link Status	Green: Link is up, a valid 40/100-GbE network link is established
		Amber Link is in disabled state
		Off: Link is down
4X10G QSFP+ breakout 4X25G QSFP28 breakout	Link Status	Green: Link is up, a valid 10/25-GbE network link is established
		Amber: Link is in disabled state
		Off: Link is down
Management Port	Link /Activity	Green: A valid network link is established
		Green blinking: Network Activity in progress
		Off: Link is down
	Speed	Green: A valid 10/100/1000-Mb/s network link is established
		Off: Link is down



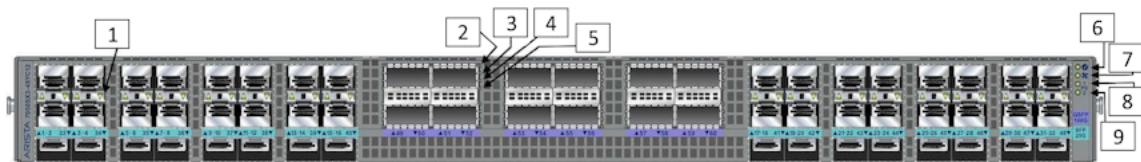
Note: Use the `show switch <switch-name> interfaces` command from the controller CLI to display the breakout capabilities of the specified switch. For a list of breakout capable ports on each supported switch, refer to the **DANZ Monitoring Fabric Hardware Compatibility List**.

5.3 Arista 7050SX3-48YC12 Specifications

This section describes the LEDs provided for monitoring environmental and switch port status on the Arista 7050SX3-48YC12 switch.

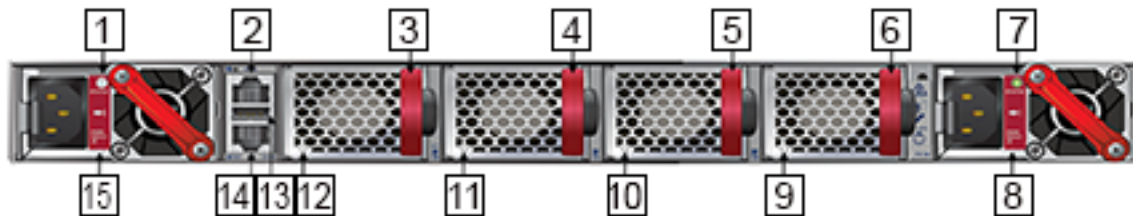
5.3.1 Switch LEDs for Monitoring Port and Environmental Status

Figure 5-5: Port and Environmental LEDs (Front Panel)



- | | | | |
|---|---|---|---------------------------|
| 1 | 1/10/25-GbE Link LED | 6 | System Status/Locator LED |
| 2 | 40/100-GbE or Port X:1 Breakout 10/25-GbE Link/Activity LED | 7 | Fan Status LED |
| 3 | Port X:2 Breakout 10/25-GbE Link/Activity LED | 8 | Power Supply 1 Status LED |
| 4 | Port X:3 Breakout 10/25-GbE Link/Activity LED | 9 | Power Supply 2 Status LED |
| 5 | Port X:4 Breakout 10/25-GbE Link/Activity LED | | |

Figure 5-6: Port and Environmental LEDs (Rear Panel)



- | | | | |
|---|-----------------|----|---------------------------------------|
| 1 | PS1 Status LED | 9 | Fan4 Status LED |
| 2 | Management Port | 10 | Fan3 Status LED |
| 3 | Fan1 Module | 11 | Fan2 Status LED |
| 4 | Fan2 Module | 12 | Fan1 Status LED |
| 5 | Fan3 Module | 13 | USB Port |
| 6 | Fan4 Module | 14 | Console Port (Default Baud Rate 9600) |
| 7 | PS2 Status LED | 15 | PS1 Module |
| 8 | PS2 Module | | |

5.3.2 Port and Environmental LEDs

LED	Description
System Status	Green: Normal operation
	Green blinking: System is powering up
	Amber: Two or more fans (any combination of fan modules or PSU fans) are disconnected or malfunctioning or incompatible
	Blue/Blinking Blue: The locator function is active
PSU[1:2] Status	Green: Normal operation
	Red: One of the power supplies has failed or missing
	Off: No power
Fan Status	Green: Fan Modules powered and running at the expected rpm
	Amber blinking: One of more Fan tray failed
Status LED on Power Supply	Green: Input power present - Normal operation
	Amber: Input power present - Power Supply fault
	Off: No Input power Supply installed in chassis
Status LED on Fan Tray	Green: The fan is operating normally. This LED state is exclusive to its fan module, and independent of the states of its neighboring fans and power supplies
	Red: The fan has failed
	Off: The fan module is not detected. If it is inserted, it may not be seated properly

Port	LED	Description
1-GbE SFP 10-GbE SFP+ 25-GbE SFP28	Link Status	Green: Link is up, a valid 1/10/25-GbE network link is established.
		Amber: Link is in disabled state
		Off: Link is down
40-GbE QSFP+ 100-GbE QSFP28	Link Status	Green: Link is up, a valid 40/100-GbE network link is established
		Amber Link is in disabled state
		Off: Link is down
4X10G QSFP+ breakout 4X25G QSFP28 breakout	Link Status	Green: Link is up, a valid 10/25-GbE network link is established
		Amber: Link is in disabled state
		Off: Link is down
Management Port	Link /Activity	Green: A valid network link is established
		Green blinking: Network Activity in progress
		Off: Link is down
	Speed	Green: A valid 10/100/1000-Mb/s network link is established
		Off: Link is down



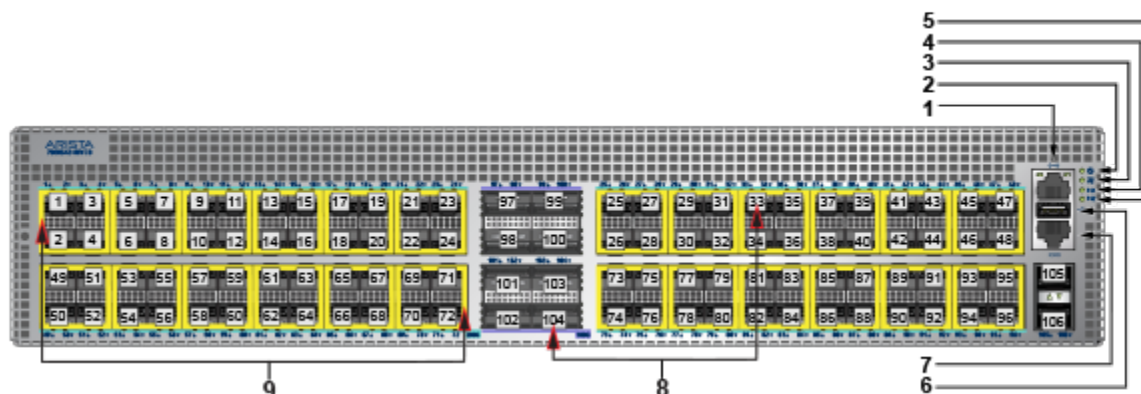
Note: Use the `show switch <switch-name> interfaces` command from the controller CLI to display the breakout capabilities of the specified switch. For a list of breakout capable ports on each supported switch, refer to the **DANZ Monitoring Fabric Hardware Compatibility List**.

5.4 Arista 7050SX3-96YC8 Specifications

This section describes the LEDs provided for monitoring environmental and switch port status on the Arista 7050SX3-96YC8 switch.

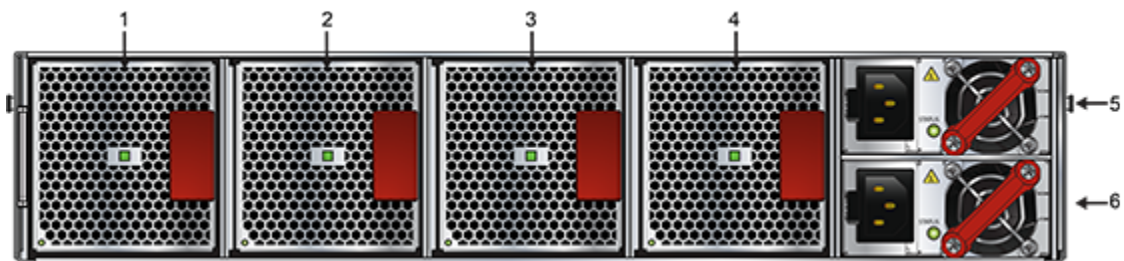
5.4.1 Switch LEDs for Monitoring Port and Environmental Status

Figure 5-7: Port and Environmental LEDs (Front Panel)



- | | | | |
|---|---|---|---------------------------|
| 1 | 1/10/25-GbE Link LED | 6 | System Status/Locator LED |
| 2 | 40/100-GbE or Port X:1 Breakout 10/25-GbE Link/Activity LED | 7 | Fan Status LED |
| 3 | Port X:2 Breakout 10/25-GbE Link/Activity LED | 8 | Power Supply 1 Status LED |
| 4 | Port X:3 Breakout 10/25-GbE Link/Activity LED | 9 | Power Supply 2 Status LED |
| 5 | Port X:4 Breakout 10/25-GbE Link/Activity LED | | |

Figure 5-8: Port and Environmental LEDs (Rear Panel)



- | | | | |
|---|-------------|---|-----------------------|
| 1 | Fan1 Module | 4 | Fan4 Module |
| 2 | Fan2 Module | 5 | Power Supply Module 1 |
| 3 | Fan3 Module | 6 | Power Supply Module 2 |

5.4.2 Port and Environmental LEDs

LED	Description
System Status	Green: Normal operation
	Green blinking: System is powering up
	Amber: Two or more fans (any combination of fan modules or PSU fans) are disconnected or malfunctioning or incompatible
	Blue/Blinking Blue: The locator function is active
PSU[1:2] Status	Green: Normal operation
	Red: One of the power supplies has failed or missing
	Off: No power
Fan Status	Green: Fan Modules powered and running at the expected rpm
	Amber blinking: One of more Fan tray failed
Status LED on Power Supply	Green: Input power present - Normal operation
	Amber: Input power present - Power Supply fault
	Off: No Input power Supply installed in chassis
Status LED on Fan Tray	Green: The fan is operating normally. This LED state is exclusive to its fan module, and independent of the states of its neighboring fans and power supplies
	Red: The fan has failed
	Off: The fan module is not detected. If it is inserted, it may not be seated properly

Port	LED	Description
1-GbE SFP 10-GbE SFP+ 25-GbE SFP28	Link Status	Green: Link is up, a valid 1/10/25-GbE network link is established.
		Amber: Link is in disabled state
		Off: Link is down
40-GbE QSFP+ 100-GbE QSFP28	Link Status	Green: Link is up, a valid 40/100-GbE network link is established
		Amber Link is in disabled state
		Off: Link is down
4X10G QSFP+ breakout 4X25G QSFP28 breakout	Link Status	Green: Link is up, a valid 10/25-GbE network link is established
		Amber: Link is in disabled state
		Off: Link is down
Management Port	Link /Activity	Green: A valid network link is established
		Green blinking: Network Activity in progress
		Off: Link is down
	Speed	Green: A valid 10/100/1000-Mb/s network link is established
		Off: Link is down



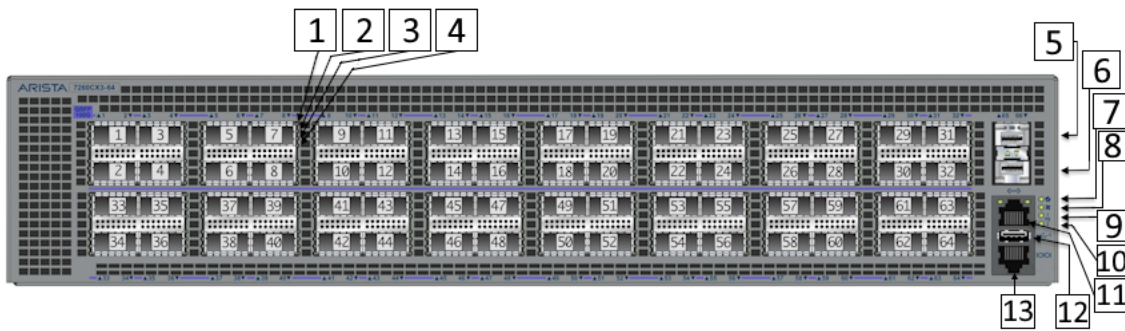
Note: Use the `show switch <switch-name> interfaces` command from the controller CLI to display the breakout capabilities of the specified switch. For a list of breakout capable ports on each supported switch, refer to the **DANZ Monitoring Fabric Hardware Compatibility List**.

5.5 Arista 7260CX3-64 Specifications

This section describes the LEDs provided for monitoring environmental and switch port status on the Arista 7260CX3-64 switch.

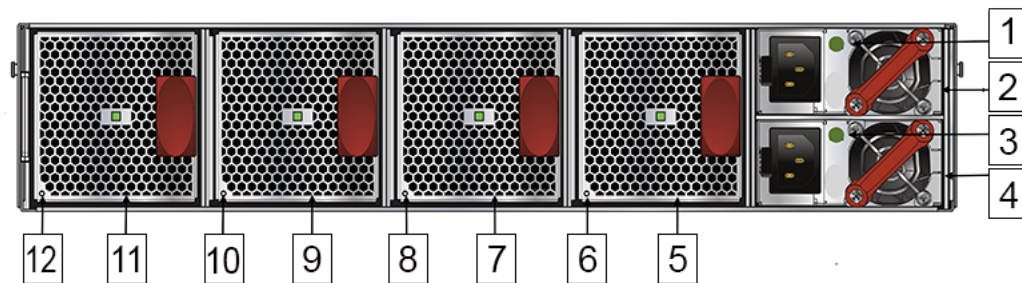
5.5.1 Switch LEDs for Monitoring Port and Environmental Status

Figure 5-9: Port and Environmental LEDs (Front Panel)



- | | | | |
|---|---|----|---------------------------------------|
| 1 | 40/100-GbE or Port X:1 Breakout 10/25-GbE Link/Activity LED | 8 | Fan Status LED |
| 2 | Port X:2 Breakout 10/25-GbE Link/Activity LED | 9 | Power Supply 1 Status LED |
| 3 | Port X:3 Breakout 10/25-GbE Link/Activity LED | 10 | Power Supply 2 Status LED |
| 4 | Port X:4 Breakout 10/25-GbE Link/Activity LED | 11 | Management Port |
| 5 | Port 65 1/10-GbE | 12 | USB Port |
| 6 | Port 66 1/10-GbE | 13 | Console Port (Default Baud Rate 9600) |
| 7 | System Status/Locator LED | | |

Figure 5-10: Port and Environmental LEDs (Rear Panel)



- | | | | |
|---|-----------------|----|-----------------|
| 1 | PS1 Status LED | 7 | Fan3 Module |
| 2 | PS1 Module | 8 | Fan3 Status LED |
| 3 | PS2 Status LED | 9 | Fan2 Module |
| 4 | PS2 Module | 10 | Fan2 Status LED |
| 5 | Fan4 Module | 11 | Fan1 Module |
| 6 | Fan4 Status LED | 12 | Fan1 Status LED |

5.5.2 Port and Environmental LEDs

LED	Description
System Status	Green: Normal operation
	Green blinking: System is powering up
	Amber: Two or more fans (any combination of fan modules or PSU fans) are disconnected or malfunctioning or incompatible
	Blue/Blinking Blue: The locator function is active
PSU[1:2] Status	Green: Normal operation
	Red: One of the power supplies has failed or missing
	Off: No power
Fan Status	Green: Fan Modules powered and running at the expected rpm
	Amber blinking: One of more Fan tray failed
Status LED on Power Supply	Green: Input power present - Normal operation
	Amber: Input power present - Power Supply fault
	Off: No Input power Supply installed in chassis
Status LED on Fan Tray	Green: The fan is operating normally. This LED state is exclusive to its fan module, and independent of the states of its neighboring fans and power supplies
	Red: The fan has failed
	Off: The fan module is not detected. If it is inserted, it may not be seated properly

Port	LED	Description
1-GBase-T 10GBase-T	Link Status	Green: Link is up, a valid 1/10G network link is established.
		Amber: Link is in disabled state
		Off: Link is down
40-GbE QSFP+ 100-GbE QSFP28	Link Status	Green: Link is up, a valid 40/100-GbE network link is established
		Amber Link is in disabled state
		Off: Link is down
4X10G QSFP+ breakout 4X25G QSFP28 breakout	Link Status	Green: Link is up, a valid 10/25-GbE network link is established
		Amber: Link is in disabled state
		Off: Link is down
Management Port	Link /Activity	Green: A valid network link is established
		Green blinking: Network Activity in progress
		Off: Link is down
	Speed	Green: A valid 10/100/1000-Mb/s network link is established
		Off: Link is down



Note: Use the `show switch <switch-name> interfaces` command from the controller CLI to display the breakout capabilities of the specified switch. For a list of breakout capable ports on each supported switch, refer to the ***DANZ Monitoring Fabric Hardware Compatibility List***.

5.6 Arista 7260CX3-64E Specifications

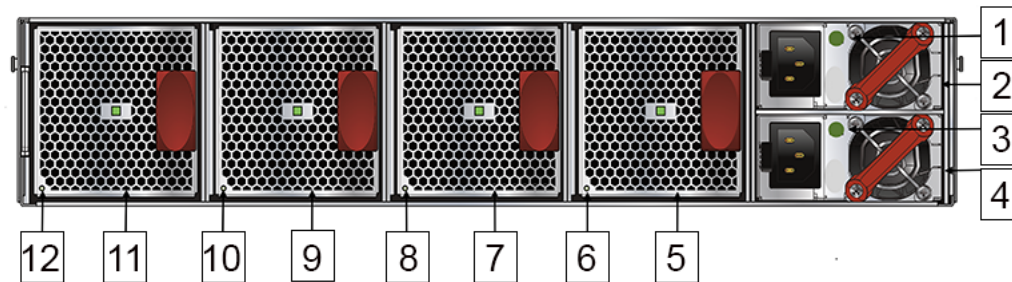
This section describes the LEDs provided for monitoring environmental and switch port status on the Arista 7260CX3-64E switch.

5.6.1 Switch LEDs for Monitoring Port and Environmental Status

Figure 5-11: Port and Environmental LEDs (Front Panel)



- | | | | |
|---|---|----|---------------------------------------|
| 1 | 40/100-GbE or Port X:1 Breakout 10/25-GbE Link/Activity LED | 8 | Fan Status LED |
| 2 | Port X:2 Breakout 10/25-GbE Link/Activity LED | 9 | Power Supply 1 Status LED |
| 3 | Port X:3 Breakout 10/25-GbE Link/Activity LED | 10 | Power Supply 2 Status LED |
| 4 | Port X:4 Breakout 10/25-GbE Link/Activity LED | 11 | Management Port |
| 5 | Port 65 1/10-GbE | 12 | USB Port |
| 6 | Port 66 1/10-GbE | 13 | Console Port (Default Baud Rate 9600) |
| 7 | System Status/Locator LED | | |

Figure 5-12: Port and Environmental LEDs (Rear Panel)

- | | |
|-------------------|--------------------|
| 1 PS2 Module | 7 Fan3 Module |
| 2 PS2 Status LED | 8 Fan3 Status LED |
| 3 PS1 Module | 9 Fan2 Module |
| 4 PS1 Status LED | 10 Fan2 Status LED |
| 5 Fan4 Module | 11 Fan1 Module |
| 6 Fan4 Status LED | 12 Fan1 Status LED |

5.6.2 Port and Environmental LEDs

LED	Description
System Status	Green: Normal operation
	Green blinking: System is powering up
	Amber: Two or more fans (any combination of fan modules or PSU fans) are disconnected or malfunctioning or incompatible
	Blue/Blinking Blue: The locator function is active
PSU[1:2] Status	Green: Normal operation
	Red: One of the power supplies has failed or missing
	Off: No power
Fan Status	Green: Fan Modules powered and running at the expected rpm
	Amber blinking: One of more Fan tray failed
Status LED on Power Supply	Green: Input power present - Normal operation
	Amber: Input power present - Power Supply fault
	Off: No Input power Supply installed in chassis
Status LED on Fan Tray	Green: The fan is operating normally. This LED state is exclusive to its fan module, and independent of the states of its neighboring fans and power supplies
	Red: The fan has failed
	Off: The fan module is not detected. If it is inserted, it may not be seated properly

Port	LED	Description
1-GBase-T 10GBase-T	Link Status	Green: Link is up, a valid 1/10G network link is established.
		Amber: Link is in disabled state
		Off: Link is down
40-GbE QSFP+ 100-GbE QSFP28	Link Status	Green: Link is up, a valid 40/100-GbE network link is established
		Amber Link is in disabled state
		Off: Link is down
4X10G QSFP+ breakout 4X25G QSFP28 breakout	Link Status	Green: Link is up, a valid 10/25-GbE network link is established
		Amber: Link is in disabled state
		Off: Link is down
Management Port	Link /Activity	Green: A valid network link is established
		Green blinking: Network Activity in progress
		Off: Link is down
	Speed	Green: A valid 10/100/1000-Mb/s network link is established
		Off: Link is down



Note: Use the `show switch <switch-name> interfaces` command from the controller CLI to display the breakout capabilities of the specified switch. For a list of breakout capable ports on each supported switch, refer to the ***DANZ Monitoring Fabric Hardware Compatibility List***.

5.7 Arista 7280-Series Specifications

Given that the 7280 series switch runs EOS, for description of LEDs provided for monitoring environmental and switch port status on the switch, refer to the *Quick Start Guide* and other related info for the 7280 series of switches as below:

<https://www.arista.com/en/qsg-7280-series-1ru-gen3>

<https://www.arista.com/en/products/7280r3-series>

<https://www.arista.com/en/products/7280r-series>

<https://www.arista.com/en/products/7280r-series-network-switch-datasheet>

References

6.1 Related Documents

The following documentation is available for ***DANZ Monitoring Fabric 8.4.0***:

- *DANZ Monitoring Fabric Release Notes*
- *DANZ Monitoring Fabric User Guide*
- *DANZ Monitoring Fabric Deployment Guide*
- *DANZ Monitoring Fabric Hardware Compatibility List*
- *DANZ Monitoring Fabric Hardware Guide*
- *DANZ Monitoring Fabric Verified Scale Guide*
- *DANZ Monitoring Fabric SNMP MIB Reference Guide*