

DELL Technologies MC-660 APEX Cloud Platform for Microsoft Azure Support Matrix



DELL Technologies MC-660 APEX Cloud Platform for Microsoft Azure Support Matrix User Guide

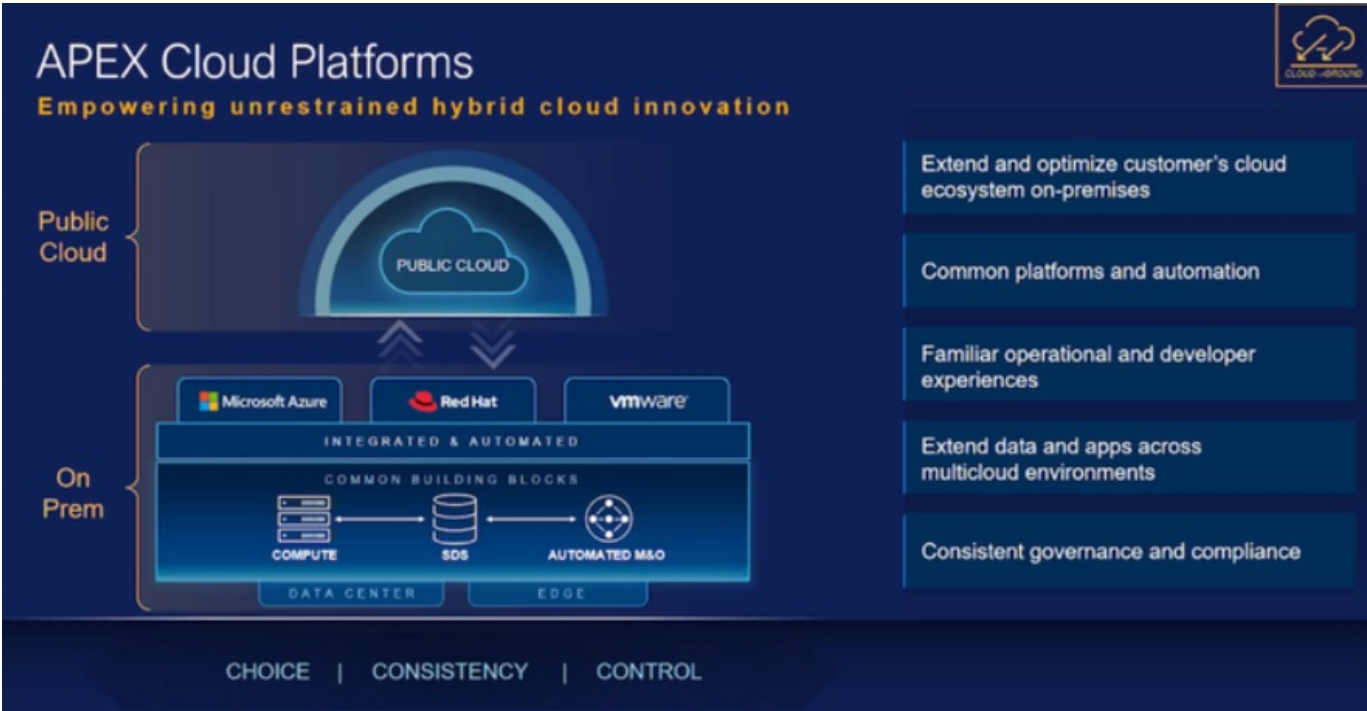
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DELL Technologies MC-660 APEX Cloud Platform for Microsoft Azure Support Matrix



Specifications

- **Product:** Dell APEX Cloud Platform for Microsoft Azure Support Matrix
- **Model:** MC Series systems powered by PowerEdge\ server platforms
- **Engineering Date:** June 2024

Product Information

The Dell APEX Cloud Platform for Microsoft Azure Support Matrix provides information about supported software, firmware, and hardware versions for APEX Cloud Platforms for Microsoft Azure.

Note: This Firmware Support Matrix contains the latest compatibility and interoperability information. If you observe inconsistencies between this information and other ACP documentation or references, this document supersedes all other documentation.

Supported APEX Cloud Platform Configurations

Model	Configuration	Chassis
MC-660	All Flash	10 x 2.5 drive slots
MC-660	All NVMe	10 x 2.5 drive slots
MC-760	All NVMe	24 x 2.5 drive slots
MC-760	All Flash (GPU dense)	24 x 2.5 drive slots
MC-760	All Flash (Performance)	28 x 2.5 drive slots
MC-760	Hybrid	12 x3.5 + 4x2.5 drive slots

Product Usage Instructions

- **Step 1: Software Installation**

- Ensure the Microsoft Azure Stack HCI and APEX Cloud Platform Foundation Software are installed with the specified versions mentioned in the Support Matrix.

• Step 2: Firmware and Driver Updates

- Update the BIOS, HBA335i firmware, drivers for OCP, NICs, and other components to the recommended versions provided in the Support Matrix.

• Step 3: Hardware Configuration

- Configure the APEX Cloud Platform hardware according to the supported configurations listed in the matrix based on your specific model.

Notes, cautions, and warnings

- **NOTE:** A note indicates important information that helps you make better use of your computer.
- **CAUTION:** A caution indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.
- **Warning:** A warning indicates a potential for property damage, personal injury, or death.

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Revision History

Version	Date	Description
A08	18-Jun-24	· 01.01.01.02 Release
A07	13-Jun-24	· 01.01.02.00 Release
A06	05-May-24	· 01.01.01.01 Release
A05	01-Apr-24	· 01.01.01.00 Release
A04	03-Mar-24	· 01.01.00.00 Release
A03	17-Nov-23	· 01.00.00.01 Release
A02	17-Oct-23	· Support all NVMe
A01	26-Sept-23	· Unique document for APEX Cloud Platforms Azure 22H2

Introduction

This document provides information about supported software, firmware, and hardware versions for APEX Cloud Platforms for Microsoft Azure.

NOTE: This Firmware Support Matrix contains the latest compatibility and interoperability information. If you observe inconsistencies between this information and other ACP documentation or references, this document supersedes all other documentation.

Supported APEX Cloud Platform configurations

Supported APEX Cloud Platform configurations

Model	Configuration	Chassis
MC-660	All Flash	10 x 2.5" drive slots
MC-660	All NVMe	10 x 2.5" drive slots
MC-760	All NVMe	24 x 2.5" drive slots
MC-760	All Flash (GPU dense)	24 x 2.5" drive slots
MC-760	All Flash (Performance)	28 x 2.5" drive slots
MC-760	Hybrid	12 x3.5" + 4x2.5" drive slots

Microsoft Azure Supported firmware and drivers

01.00.00.00

Software Item	Version	Software Item	Version
Microsoft Azure Stack HCI, Supplemental Package	10.2306	Dell APEX Cloud Platform integration with Microsoft Windows Admin Center	1.0.0
Microsoft Azure Stack HCI OS	22H2	APEX Cloud Platform Hardware Updates	4.0.2307.1
APEX Cloud Platform Foundation Software	01.00.00.00		

Software Item	Version	Software Item	Version
Microsoft Azure Stack HCI, Supplemental Package	10.2306	Dell APEX Cloud Platform integration with Microsoft Windows Admin Center	1.0.0
Microsoft Azure Stack HCI OS	22H2	APEX Cloud Platform Hardware Updates	4.0.2307.1
APEX Cloud Platform Foundation Software	01.00.00.00		

01.00.00.01

Software Item	Version	Software Item	Version
Microsoft Azure Stack HCI, Supplemental Package	10.2306	Dell APEX Cloud Platform integration with Microsoft Windows Admin Center	1.0.0
Microsoft Azure Stack HCI OS	22H2	APEX Cloud Platform Hardware Updates	4.0.2310.6
APEX Cloud Platform Foundation Software	01.00.00.01		

BIOS	1.5.6 (TTCN0)	
	FW	Driver
HBA335i	24.15.10.00 (94P21)	2.61.48.00 (M2P63)
OCP and NICs	FW	Driver
BCM 5720	22.31.6 (XKX9M)	223.1.116.1 (5K4FP)
CX-6 DX	22.36.10.10 (77R8T)	03.20.02 (Y31G3)
CX-6LX	22.36.10.10 (453RH)	03.20.02 (Y31G3)
E810-XXV	22.0.9 (FF1WF)	22.0 (X9PPT)
iDRAC	6.10.85.00 (WK34W)	
PM	1.90 (9T51C) (6XNNF) MC-760	
BOSS-N1	2.1.13.2017 (F5YX6)	
Expander BP	1.61 (J9JW2) (MC-760)	
Non-Expander BP	7.10 (6Y9X7)	
NVMe Switch BP	3.29 (610TR) (MC-760)	

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Software Item	Version	Software Item	Version
Microsoft Azure Stack HCI, Supplemental Package	10.2311	Dell APEX Cloud Platform integration with Microsoft Windows Admin Center	2.0.0
Microsoft Azure Stack HCI OS	23H2	APEX Cloud Platform Hardware Updates	4.0.2401
APEX Cloud Platform Foundation Software	01.01.00.00		

BIOS	1.6.6 (N8W4N)	
	FW	Driver
HBA335i	24.15.14.00 (Y99R5)	2.61.48.00 (M2P63)
OCP and NICs	FW	Driver
BCM 5720	22.71.3 (4JJW6)	227.1.111.0 (2V60D)
CX-6 DX	22.38.10.02 (J6D71)	23.07.01 (52PMN)
CX-6LX	22.38.10.02 (J9V68)	23.07.01 (52PMN)
E810-XXV	22.5.7 (HDWKR)	22.5.0 (8FFGW)
iDRAC	7.00.60.201 (3X5RN)	
iSM	5.3.0.0 (D6P8J)	
PM	1.90 (9T51C) (6XNNF) MC-760	
BOSS-N1	2.1.13.2025(3P9J3)	
Expander BP	1.61 (J9JW2) (MC-760)	
Non-Expander BP	7.10 (6Y9X7)	
NVMe Switch BP	3.31 (V5501) (MC-760)	

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Software Item	Version	Software Item	Version
Microsoft Azure Stack HCI, Supplemental Package	10.2402	Dell APEX Cloud Platform integration with Microsoft Windows Admin Center	2.0.1
Microsoft Azure Stack HCI OS	23H2	APEX Cloud Platform Hardware Updates	4.0.2402
APEX Cloud Platform Foundation Software	01.01.01.00		

BIOS	1.6.6 (N8W4N)	
	FW	Driver
HBA335i	24.15.14.00 (Y99R5)	2.61.48.00 (M2P63)
OCP and NICs	FW	Driver
BCM 5720	22.71.3 (4JJW6)	227.1.111.0 (2V60D)
CX-6 DX	22.38.10.02 (J6D71)	23.07.01 (52PMN)
CX-6LX	22.38.10.02 (J9V68)	23.07.01 (52PMN)
E810-XXV	22.5.7 (HDWKR)	22.5.0 (8FFGW)
iDRAC	7.00.60.201 (3X5RN)	
iSM	5.3.0.0 (D6P8J)	
PM	1.90 (9T51C) (6XNNF) MC-760	
BOSS-N1	2.1.13.2025(3P9J3)	
Expander BP	1.61 (J9JW2) (MC-760)	
Non-Expander BP	7.10 (6Y9X7)	
NVMe Switch BP	3.31 (V5501) (MC-760)	

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Software Item	Version	Software Item	Version
Microsoft Azure Stack HCI, Supplemental Package	10.2402	Dell APEX Cloud Platform integration with Microsoft Windows Admin Center	2.0.1
Microsoft Azure Stack HCI OS	23H2	APEX Cloud Platform Hardware Updates	4.0.2404
APEX Cloud Platform Foundation Software	01.01.01.01		

BIOS	2.1.5 (DK8J7)	
	FW	Driver
HBA335i	24.15.14.00 (Y99R5)	2.61.48.00 (M2P63)
OCP and NICs	FW	Driver
BCM 5720	22.71.3 (4JJW6)	227.1.111.0 (2V60D)
CX-6 DX	22.38.10.02 (J6D71)	23.07.01 (52PMN)
CX-6LX	22.38.10.02 (J9V68)	23.07.01 (52PMN)
E810-XXV	22.5.7 (HDWKR)	22.5.0 (8FFGW)
iDRAC	7.00.60.201 (3X5RN)	
iSM	5.3.0.0 (D6P8J)	
PM	1.90 (9T51C) (6XNNF) MC-760	
BOSS-N1	2.1.13.2025(3P9J3)	
Expander BP	1.61 (J9JW2) (MC-760)	
Non-Expander BP	7.10 (6Y9X7)	
NVMe Switch BP	3.31 (V5501) (MC-760)	

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Software Item	Version	Software Item	Version
Microsoft Azure Stack HCI, Supplemental Package	10.2402	Dell APEX Cloud Platform integration with Microsoft Windows Admin Center	2.0.1
Microsoft Azure Stack HCI OS	23H2	APEX Cloud Platform Hardware Updates	4.0.2405
APEX Cloud Platform Foundation Software	01.01.01.02		

BIOS	2.1.5 (DK8J7)	
	FW	Driver
HBA335i	24.15.14.00 (Y99R5)	2.61.48.00 (M2P63)
OCP and NICs	FW	Driver
BCM 5720	22.71.3 (4JJW6)	227.1.111.0 (2V60D)
CX-6 DX	22.39.10.02 (80VVK)	23.10.26252.0 (37G15)
CX-6LX	26.39.10.02 (4H78M)	23.10.26252.0 (37G15)
E810-XXV	22.5.7 (HDWKR)	22.5.0 (8FFGW)
iDRAC	7.00.60.201 (3X5RN)	
iSM	5.3.0.0 (D6P8J)	
PM	1.90 (9T51C) (6XNNF) MC-760	
BOSS-N1	2.1.13.2025(3P9J3)	
Expander BP	1.61 (J9JW2) (MC-760)	
Non-Expander BP	7.10 (6Y9X7)	
NVMe Switch BP	3.31 (V5501) (MC-760)	

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Software Item	Version	Software Item	Version
Microsoft Azure Stack HCI, Supplemental Package	10.2405	Dell APEX Cloud Platform integration with Microsoft Windows Admin Center	2.0.1
Microsoft Azure Stack HCI OS	23H2	APEX Cloud Platform Hardware Updates	4.1.2405
APEX Cloud Platform Foundation Software	01.01.02.00		

BIOS	2.1.5 (DK8J7)	
	FW	Driver
HBA335i	24.15.14.00 (Y99R5)	2.61.48.00 (M2P63)
OCP and NICs	FW	Driver
BCM 5720	22.71.3 (4JJW6)	227.1.111.0 (2V60D)
CX-6 DX	22.39.10.02 (80VVK)	23.10.26252.0 (37G15)
CX-6LX	26.39.10.02 (4H78M)	23.10.26252.0 (37G15)
E810-XXV	22.5.7 (HDWKR)	22.5.0 (8FFGW)
iDRAC	7.00.60.201 (3X5RN)	
iSM	5.3.0.0 (D6P8J)	
PM	1.90 (9T51C) (6XNNF) MC-760	
BOSS-N1	2.1.13.2025(3P9J3)	
Expander BP	1.61 (J9JW2) (MC-760)	
Non-Expander BP	7.10 (6Y9X7)	
NVMe Switch BP	3.31 (V5501) (MC-760)	

Services Connectivity Gateway Tables

Solution	Version	Publish Date	01.00.00.00
			01.00.00.01
			01.01.00.00
			01.01.01.00
			01.01.01.01
			01.01.01.02
			01.01.02.00
Secure connect gateway VE (External)	5.14.00.10	2021/08	
Secure connect gateway VE (External)	5.16.00.14	2023/05	
Secure connect gateway VE (External)	5.20.00.10	2023/11	

Supported HDD and SSD

This section provides information about the supported hard drives and solid-state drives. Notes:

- Drive Firmware is “not locked” in factory. When new Firmware is introduced in factory for any drive, it can appear with new system shipments, drive adds, or drive replacements. A new Azure release is not required for this new Firmware to appear in these new scenarios.
- The “Min Rev” column indicates that this Firmware version or higher is supported.

Legend:

- **WI** = Write Intensive
 - **MU** = Mixed Use
 - **RI** = Read Intensive
- New Drives/Components/Updates for this release, EOL

Supported storage devices in servers.

Component	Famil y	Part Nu mber	Model	Min Re v	Supported Platforms
Cache SAS SSD					
3.84TB Kioxia FIPS SAS SSD	PM7	YTVTF	KPM7WRUG3T84	C40A	MC-660 MC-760
7.68TB Kioxia MU S AS SSD	PM6	YM0T1	KPM6XRUG7T68	BA48	MC-660 MC-760
960GB Kioxia MU S AS SSD	RM6	J92FY	KPM6WVUG960G	BD48	MC-660 MC-760
1.92GB Kioxia MU S AS SSD	PM6	1081V	KPM6WVUG1T92	BD48	MC-660 MC-760
3.84GB Kioxia MU S AS SSD	PM6	MD4YN	KPM6WVUG3T84	BD48	MC-660 MC-760
800GB Kioxia MU S AS SSD	PM6	NNGV4	KPM6XVUG800G	BA48	MC-660 MC-760
1.6GB Kioxia MU SA S SSD	PM6	CHJJJ	KPM6XVUG1T60	BA48	MC-660 MC-760
960GB Kioxia MU S AS SSD	RM6	42XXC	KRM6VVUG960G	BJ03	MC-660 MC-760
960GB STX MU SAS SSD	Lange BP	2RDWT	XS960LE70134	4S0C	MC-660 MC-760
800GB Kioxia MU S AS SSD	PM7	X96H8	KPM7XVUG800G	C10A	MC-660 MC-760
1.6TB Kioxia MU SA S SSD	PM7	4TRHM	KPM7XVUG1T60	C10A	MC-660 MC-760

Component	Famil y	Part Nu mber	Model	Min Re v	Supported Platforms
Cache NVMe SSD					
1.6TB Solidigm NVMe SSD	Plus 5620	82TVJ	SSDPF2KE016T1E	1.1.0	MC-660 MC-760
3.2TB Kioxia NVMe SSD	CM6	97GR0	KCM6XVUL1T60	2.2.0	MC-660 MC-760
6.4TB Kioxia NVMe SSD	CM6	K916X	KCM6XVUL3T20	2.2.0	MC-660 MC-760
3.2TB Samsung NVMe SSD	PM1735 V2	V69W3	MZWLR3T2HBLRAD3	2.3.0	MC-660 MC-760
6.4TB Samsung NVMe SSD	PM1735 V2	H8D5M	MZWLR6T4HALAAD3	2.3.0	MC-660 MC-760
1.6TB Samsung NVMe SSD	PM1735A	H8GHV	MZWLR1T6HCJRAD3	1.1.0	MC-660 MC-760
800GB Samsung NVMe SSD	PM1655	3CHC8	MZILG800HCHQAD3	DWG5	MC-660 MC-760
1.6TB Samsung NVMe SSD	PM1655	5RJND	MZILG1T6HCJRAD3	DWG5	MC-660 MC-760
1.6TB Samsung NVMe SSD	PM1735 v2	0NMNV	MZWLR1T6HBJRAD3	2.3.0	MC-660 MC-760
1.6TB Kioxia NVMe SSD	CM6	P03YC	KCM6XVUL1T60	2.2.0	MC-660 MC-760
Capacity NVMe SSD					
6.4TB Samsung MU NVMe SSD	PM1733A	9F6Y3	MZWLR6T4HBLAAD3	1.1.0	MC-660 MC-760
1.92TB Solidigm R1 NVMe SSD	Plus 5520	0HVC7	SSDPF2KX019T1E	1.1.0	MC-660 MC-760
3.84TB Solidigm R1 NVMe SSD	Plus 5520	77MRY	SSDPF2KX038T1E	1.1.0	MC-660 MC-760
7.68TB Solidigm R1 NVMe SSD	Plus 5520	90M2J	SSDPF2KX076T1E	1.1.0	MC-660 MC-760
3.2TB Samsung MU NVMe SSD	PM1735A	617H6	MZWLR3T2HCLRAD3	1.1.0	MC-660 MC-760
1.92TB Samsung R1 NVMe SSD	PM1733A	8PMRM	MZWLR1T9HCJRAD3	1.1.0	MC-660 MC-760
3.84TB Samsung R1 NVMe SSD	PM1733A	RJKM5	MZWLR3T8HCLRAD3	1.1.0	MC-660 MC-760

7.68TB Samsung RI NVMe SSD	PM17 33A v2	R1J8J	MZWLR7T6HBLAAD3	1.1.0	MC-660 MC-760
15.36TB Samsung RI NVMe SSD	PM17 33A	D4CJG	MZWLR15THBLAAD3	1.1.0	MC-660 MC-760
960GB kioxia RI NV Me SSD	CD7-U2	8082N	KCD7XRUG960G	2.0.1	MC-660 MC-760
3.84TB kioxia RI NV Me SSD	CD7	RFYP9	KCD7XRUG3T84	2.0.1	MC-660 MC-760
960GB Samsung RI NVMe SSD	PM9A 3	6HYWM	MZQL2960HCJR	1.0.0	MC-660 MC-760

Component	Famil y	Part Nu mber	Model	Min Re v	Supported Platforms
3.84TB Samsung RI NVMe SSD	PM9A 3	P7G03	MZQL23T8HCLSAD3	1.0.0	MC-660 MC-760
15.36TB Samsung RI NVMe SSD	PM17 33	182NW	ZWLRI5THALA-00AD3	2.3.0	MC-660 MC-760
15.36TB kioxia RI NV Me SSD	CM6	J91CR	KCM6XRUL15T3	2.2.0	MC-660 MC-760
3.84TB Hynix RI NV Me SSD	PE801 0	V6WP5	HFS3T8GECTX088N	1.2.0	MC-660 MC-760
1.92TB kioxia RI NV Me SSD	CM6	N0VK0	KCM6XRUL1T92	2.2.0	MC-660 MC-760
3.84TB kioxia RI NV Me SSD	CM6	8W2G5	KCM6XRUL3T84	2.2.0	MC-660 MC-760
7.68TB Samsung RI NVMe SSD	PM17 33	DX74Y	MZWLR7T6HALAAD3	2.3.0	MC-660 MC-760
7.68TB kioxia RI NV Me SSD	CM6	VD0JX	KCM6XRUL7T86	2.2.0	MC-660 MC-760
15.4TB kioxia RI NV Me SSD	CM6	J91CR	KCM6XRUL15T3	2.2.0	MC-660 MC-760
Capacity SAS SSD					
3.2TB Arbordale RI S AS SSD	P5620	TY3M5	SSDPF2KE032T1E	1.1.0	MC-660 MC-760
3.84TB Kioxia RI SA S SSD	PM7	MT0R5	KPM7XRUG3T84	C10A	MC-660 MC-760
7.68TB Kioxia RI SA S SSD	PM7	7N1WT	KPM7XRUG7T68	C10A	MC-660 MC-760

3.84 Samsung RI SAS SSD	PM1653	9N32F	MZILG3T8HCLSAD3	DSG8	MC-660 MC-760
7.68TB Samsung RI SAS SSD	PM1653	Y8H7M	MZILG7T6HBLAAD3	DSG8	MC-660 MC-760
12TB Hitachi RI SAS SSD	Leo-A	9HXK6	HUH721212AL5200	NS10	MC-660 MC-760
7.68TB Kioxia RI SAS SSD	RM6	5MHY8	KRM6VRUG7T68	BJ03	MC-660 MC-760
1.92TB Kioxia MU SAS SSD	RM6	N15JP	KRM6VVUG1T92	BJ03	MC-660 MC-760
3.84TB Kioxia MU SAS SSD	RM6	FXYGR	KRM6VVUG3T84	BJ03	MC-660 MC-760
1.92TB Seagate MU SAS SSD	Lange BP	N6DRV	XS1920LE70134	4S0C	MC-660 MC-760
3.84TB Seagate MU SAS SSD	Lange BP	YM9HP	XS3840LE70134	4S0C	MC-660 MC-760
7.68TB Seagate RI SAS SSD	Lange BP	2THYF	XS7680SE70134	4S0C	MC-660 MC-760
Capacity SAS HDD					
12TB Toshiba SAS HDD	MG09	0N96X	MG09SCA12TEY	EM04	MC-760

Component	Famil y	Part Nu mber	Model	Min Re v	Supported Platforms
12TB Seagate RI SAS HDD	Evans BP	M1C0T	ST12000NM006J	PSLB	MC-760
4TB Seagate RI SAS HDD	Cimar ron B P	10N7R	ST4000NM019B	LW0A	MC-760
8TB Seagate RI SAS HDD	Cimar ron B P	C5HD0	ST8000NM024B	LS0C	MC-760
4TB Kioxia SAS HDD	MG08	FN2YX	MG08SDA400NY	EK05	MC-760
2TB STX SAS HDD	Cimar ron B P	HDWXN	ST2000NM013B	LW0A	MC-760
2TB TOS SAS HDD	Tomca t R	HHX14	MG04SCA20EN	EG03	MC-760
4TB TOS SAS HDD	Tomca t R	HNX0W	MG04SCA40EN	DJ01	MC-760
16TB STX SAS HDD	Evans BP	41DXR	ST16000NM006J	PSLB	MC-760
16TB TOS SAS HDD	MG09	MXC46	MG09SCA16TEY	EM04	MC-760
16TB WD SAS HDD	Paris- C	VF206	WUH721816AL5200	US06	MC-760
20TB WD SAS HDD	Paris- D	1D4CR	WUH722020BL5200	VS15	MC-760
20TB STX SAS HDD	LongP eak	R3G03	ST20000NM004D	GS07	MC-760

Power Supplies

Component	Platforms	Rev	PE Release Date
Delta 1100W	MC-660/MC-760	00.14.75	7/16/2021
LiteON 1100W	MC-660/MC-760	00.21.31	7/16/2021
Delta 1100W 48VDC	MC-660/MC-760	00.18.86	8/23/2021
Artesyn 1100W 48VDC	MC-660/MC-760	00.0C.0D	11/22/2022
Liteon 1400W	MC-660/MC-760	00.18.31	3/29/2023
Artesyn 1400W	MC-660/MC-760	00.2A.2B	9/28/2022
Delta 1400W	MC-660/MC-760	00.1D.9C	8/14/2023
Delta 1800W	MC-660/MC-760	00.42.B2	8/11/2022
LiteON 1800W	MC-660/MC-760	00.06.06	5/31/2023
Delta 2400W	MC-760	00.23.54	5/25/2021
Artesyn 2400W	MC-760	00.2B.2C	3/13/2022
Delta 2800W	MC-760	00.2E.A8	5/22/2023
LiteON 2800W	MC-760	00.07.08	5/22/2023

Network requirements and switches requirements

- Physical Network Requirements – [Physical network requirements for Azure Stack HCI – Azure Stack HCI | Microsoft Learn](#)
- Switch Requirements (Subpage of above) – [Physical network requirements for Azure Stack HCI – Azure Stack HCI | Microsoft Learn](#)

Getting help

Contacting Dell Technologies

You can link your Online Support account with Cloud Platform Manager and access support resources without having to log in separately.

NOTE: If you plan to set up Secure Remote Services, link your Online Support account to Azure Manager under the same ID or it may not work properly.

Registering for online support

You can create an Online Support account to access support resources such as:

- Register your Azure.
- Obtain product license files and software updates.
- Download Azure Series product documentation.
- Download the SolVe Desktop Procedure Generator.
- Browse the Azure Series community and support information.
- Link your support account for access to resources from within Azure Manager.

To register for online support:

1. Go to <https://www.dell.com/support/home/en-us>.
2. Click Register here.
3. Fill in the required information.

Support will send you a confirmation email, typically within 48 hours.

Accessing support resources

You can access support resources for your Azure by one of the following:

- [Azure Support](#)

NOTE: Additional Series information is available through the SolVe desktop tool. SolVe includes step by-step procedures for replacing certain hardware components, as well as other tasks.

Appendix – Disk Group Configuration Rules – MC-660/MC-760

Note: The following disk group configuration rules are specific to S2D configurations.

- **Rule:** We do not support mixing SAS/SATA/NVMe SSD drives in the same disk group.
- **Rule:** We do not support mixing capacity HDDs with capacity SSDs in the same disk group
- **Rule:** All capacity disks to be of the same size in the same disk group.
- **Rule:** Different disk groups can have different cache drive sizes and types within a node/server.
- **Rule:** Different disk groups can have different capacity drive sizes and types within a node/server.
- **Rule:** When replacing a drive in a disk group, a larger capacity drive can now be used.
- **Rule:** When expanding a disk group, larger capacity drives than currently exist in a disk group can be used.
- **Rule:** Cache/Capacity drive count – The number of capacity drives must be a multiple of the cache drives
- **Rule:** Cache/Capacity size ratio – The cache to capacity should be near 10%

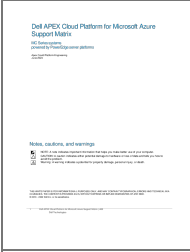
Platform	HW Configuration	Number of Cache SSD/NVMe	Number of Capacity Devices
MC-660	All Flash	0	2 to 10
	All NVMe	0	2 to 10
MC-760	All Flash (GPU dense)	0	2 to 24
	All Flash (Performance)	0	2 to 28
	All NVMe	0	2 to 28
	Hybrid	2	4,6,8,10,12
		3	6,9,12
		4	8,12

Disk Population Rules – MC-660, MC-760

Frequently Asked Questions

- **Q: Can I use configurations not listed in the supported APEX Cloud Platform configurations?**
 - A: It is recommended to use only the configurations specified in the Support Matrix to ensure compatibility and optimal performance.
- **Q: How often should I check for firmware and driver updates?**
 - A: It is advisable to regularly check for updates and apply them as needed to maintain system security and performance.
- **Q: What should I do if I encounter inconsistencies between different documents related to the APEX Cloud Platform?**
 - A: Always refer to the information provided in the Support Matrix as it supersedes all other documentation in case of discrepancies.

Documents / Resources

	DELL Technologies MC-660 APEX Cloud Platform for Microsoft Azure Support Matrix [pdf] User Guide MC-660, MC-660 APEX Cloud Platform for Microsoft Azure Support Matrix, APEX Cloud Platform for Microsoft Azure Support Matrix, Platform for Microsoft Azure Support Matrix, Microsoft Azure Support Matrix, Azure Support Matrix, Matrix
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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