

# EC510-CS/EC511-CS

8th/9th Gen Intel® Core™  
Modular-Designed Embedded System



## KEY FEATURES



### DDR4

DDR4 SODIMM up to 64GB



### PoE

Support 4 PoE (EC51x-CS6G86E-Q)



### Three Independent Displays

1 VGA + 2 DP++  
(for EC51x-CS6G86E and EC51x-CS6G86 SKU)



### Support 5G Communication

Support 5G communication



### Multiple Expansion

1 PCIe and 3 M.2 slots support NVMe

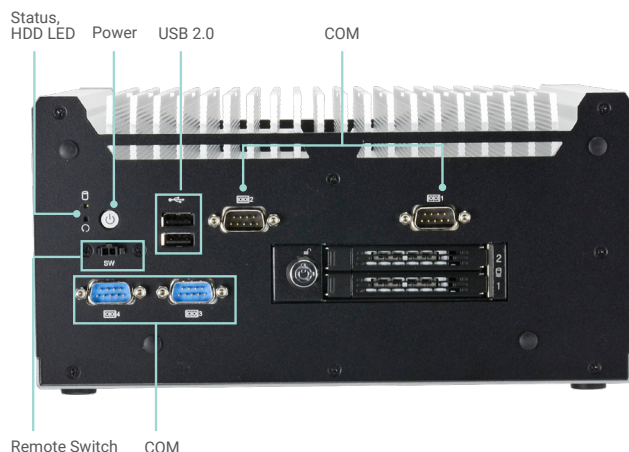


### Wide-Temperature

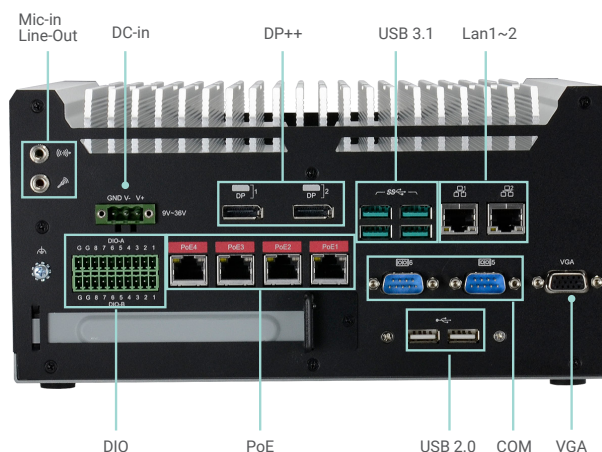
Operating Temperature: -20 to 60°C



## PANEL

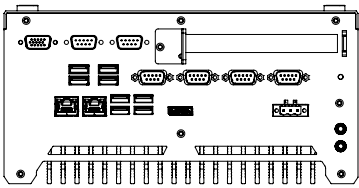


Front View

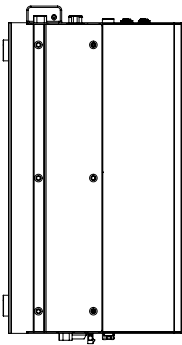


Rear View

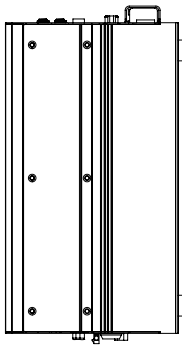
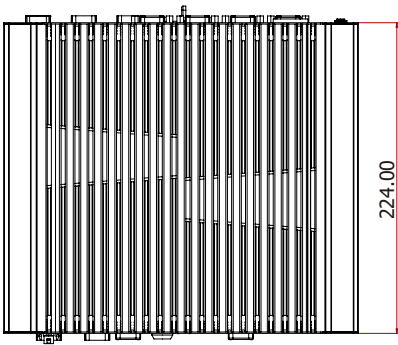
DIMENSIONS



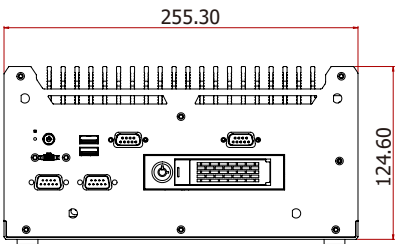
Front View



Left View

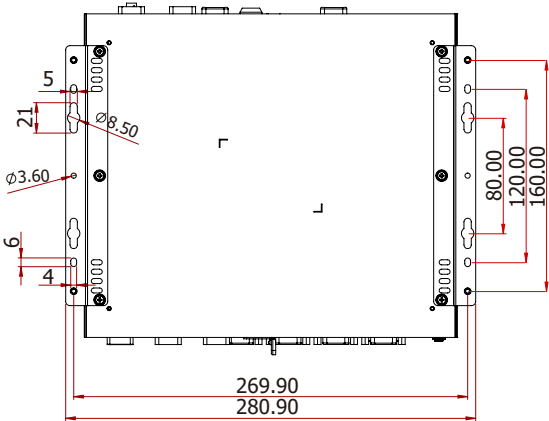
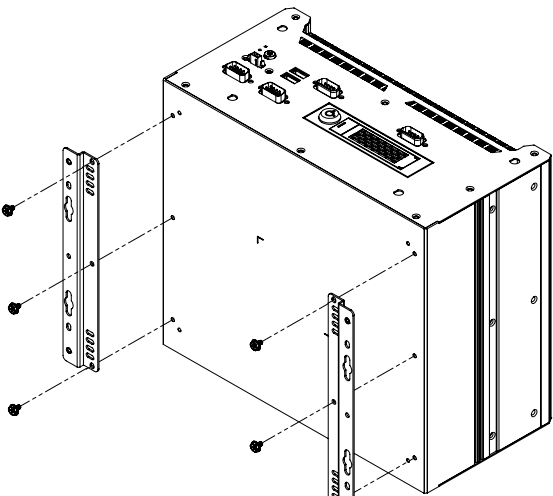


Right View



Rear View

WALL MOUNTING



531-510300-000G  
A31-028003-102G

## SPECIFICATION

|           |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                     |                                                                                                                                                               |
|-----------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SYSTEM    | Processor                     | 8th/9th Generation Intel® Core™ Processors, LGA 1151<br>Intel® Core™ i7-9700TE, Octa Cores, 12M Cache, up to 3.8 GHz, 35W<br>Intel® Core™ i5-9500TE, Hexa Cores, 9M Cache, up to 3.6 GHz, 35W<br>Intel® Core™ i3-9100TE, Quad Cores, 6M Cache, up to 3.2 GHz, 35W<br>Intel® Core™ i7-8700T Processor, Hexa Core, 12M Cache, 2.4GHz (4GHz), 35W<br>Intel® Core™ i5-8500T Processor, Hexa Core, 9M Cache, 2.1GHz (3.5GHz), 35W<br>Intel® Core™ i3-8100T Processor, Quad Core, 6M Cache, 3.1GHz, 35W<br>Intel® Pentium® Processor G5400T, Dual Core, 4M Cache, 3.1GHz, 35W<br>Intel® Celeron® Processor G4900T, Dual Core, 2M Cache, 3.1GHz, 35W |                                                                                                                                                                     |                                                                                                                                                               |
|           | Chipset                       | Intel® Q370/H310 Chipset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                     |                                                                                                                                                               |
|           | Memory                        | Two 260-pin DDR4 2400/2666MHz SODIMM up to 64GB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                     |                                                                                                                                                               |
|           | BIOS                          | AMI SPI 128Mbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                     |                                                                                                                                                               |
|           | Controller                    | Intel® HD Graphics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                     |                                                                                                                                                               |
| GRAPHICS  | Feature                       | OpenGL up to 5.0, DirectX 11, OpenCL 2.1<br>HW Decode: HEVC/H.265, H.264, M/JPEG, MPEG2, VC1/WMV9, VP8 (8-bit), VP9 (10-bit)<br>HW Encode: HEVC/H.265, M/JPEG, MPEG2, VP8                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                               |
|           | Display                       | <b>EC51x-CS6G86E-Q</b><br>1 x VGA<br>2 x DP++<br>VGA: resolution up to 1920x1200 @ 60Hz<br>DP++: resolution up to 4096x2304 @ 60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>EC51x-CS6G86-Q</b><br>1 x VGA<br>2 x DP++<br>VGA: resolution up to 1920x1200 @ 60Hz<br>DP++: resolution up to 4096x2304 @ 60Hz                                   | <b>EC51x-CS98A1-H</b><br>1 x VGA<br>1 x DP++<br>VGA: resolution up to 1920x1200 @ 60Hz<br>DP++: resolution up to 4096x2304 @ 60Hz                             |
|           | Double/<br>Triple<br>Displays | <b>EC51x-CS6G86E-Q</b><br>VGA + 2 DP++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>EC51x-CS6G86-Q</b><br>VGA + 2 DP++                                                                                                                               | <b>EC51x-CS98A1-H</b><br>VGA + 1 DP++                                                                                                                         |
|           | Interface                     | 2 x 2.5" SATA 3.0 drive bay<br>support RAID 0/1 (EC51x-CS6G86E-Q/EC51x-CS6G86-Q)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                     |                                                                                                                                                               |
|           | Interface                     | <b>EC510-CS6G86E-Q</b><br>1 x M.2 2230 E key (PCIe/USB 2.0)<br>1 x M.2 2280 M key (PCIe x4 NVMe/SATA)<br>1 x M.2 3042/3052 B key (PCIe/USB 3.0)<br>1 x PCI slot                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>EC510-CS6G86-Q</b><br>1 x M.2 2230 E key (PCIe/USB 2.0)<br>1 x M.2 2280 M key (PCIe x4 NVMe/SATA)<br>1 x M.2 3042/3052 B key (PCIe/USB 3.0)<br>1 x PCI slot      | <b>EC510-CS98A1-H</b><br>1 x M.2 2230 E key (PCIe/USB 2.0)<br>1 x M.2 2280 M key (SATA)<br>1 x M.2 3042/3052 B key (PCIe)<br>1 x PCI slot                     |
| EXPANSION | Interface                     | <b>EC511-CS6G86E-Q</b><br>1 x M.2 2230 E key (PCIe/USB 2.0)<br>1 x M.2 2280 M key (PCIe x4 NVMe/SATA)<br>1 x M.2 3042/3052 B key (PCIe/USB 3.0)<br>1 x PCIe x16 slot                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>EC511-CS6G86-Q</b><br>1 x M.2 2230 E key (PCIe/USB 2.0)<br>1 x M.2 2280 M key (PCIe x4 NVMe/SATA)<br>1 x M.2 3042/3052 B key (PCIe/USB 3.0)<br>1 x PCIe x16 slot | <b>EC511-CS98A1-H</b><br>1 x M.2 2230 E key (PCIe/USB 2.0)<br>1 x M.2 2280 M key (SATA)<br>1 x M.2 3042/3052 B key (PCIe)<br>1 x PCIe x16 slot                |
|           | Audio Codec                   | ALC888                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                     |                                                                                                                                                               |
|           | Controller                    | <b>EC51x-CS6G86E-Q</b><br>1 x Intel® I210AT PCIe (10/100/1000Mbps)<br>1 x Intel® I219LM with iAMT11.0 PCIe (10/100/1000Mbps)<br>(only Core i7/i5 supports iAMT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>EC51x-CS6G86-Q</b><br>1 x Intel® I210AT PCIe (10/100/1000Mbps)<br>1 x Intel® I219LM with iAMT11.0 PCIe (10/100/1000Mbps)<br>(only Core i7/i5 supports iAMT)      | <b>EC51x-CS98A1-H</b><br>1 x Intel® I210AT PCIe (10/100/1000Mbps)<br>1 x Intel® I219V with iAMT11.0 PCIe (10/100/1000Mbps)<br>(only Core i7/i5 supports iAMT) |
|           | Indicators                    | 1 x Status LED<br>1 x HDD LED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                     |                                                                                                                                                               |
|           | Serial                        | 4 x RS-232/422/485 (DB-9)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                               |
| FRONT I/O | USB                           | 2 x USB 2.0 (type A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                     |                                                                                                                                                               |
|           | Buttons                       | 1 x Power button<br>1 x Reset button                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                     |                                                                                                                                                               |
|           | Antenna                       | 4 x Antenna hole (WiFi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                     |                                                                                                                                                               |
|           | Ethernet/<br>PoE              | <b>EC51x-CS6G86E-Q</b><br>2 x GbE (RJ-45)<br>4 x PoE (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>EC51x-CS6G86-Q</b><br>6 x GbE (RJ-45)                                                                                                                            | <b>EC51x-CS98A1-H</b><br>2 x GbE (RJ-45)                                                                                                                      |
| REAR I/O  | COM                           | <b>EC51x-CS6G86E-Q</b><br>2 x RS232                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>EC51x-CS6G86-Q</b><br>2 x RS232                                                                                                                                  | <b>EC51x-CS98A1-H</b><br>3 x RS232/422/485<br>2 x RS232                                                                                                       |
|           | USB                           | <b>EC51x-CS6G86E-Q</b><br>4 x USB 3.1(Gen.2)<br>2 x USB2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>EC51x-CS6G86-Q</b><br>4 x USB 3.1(Gen.2)<br>2 x USB2.0                                                                                                           | <b>EC51x-CS98A1-H</b><br>4 x USB 3.1(Gen.2)<br>4 x USB 3.1(Gen.1)                                                                                             |
|           | DIO                           | <b>EC51x-CS6G86E-Q</b><br>16 bits DIO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>EC51x-CS6G86-Q</b><br>16 bits DIO                                                                                                                                | <b>EC51x-CS98A1-H</b><br>8 bits DIO                                                                                                                           |
|           | Display                       | <b>EC51x-CS6G86E-Q</b><br>1 x VGA<br>2 x DP++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>EC51x-CS6G86-Q</b><br>1 x VGA<br>2 x DP++                                                                                                                        | <b>EC51x-CS98A1-H</b><br>1 x VGA<br>1 x DP++                                                                                                                  |
|           | Audio                         | 1 x Line-out<br>1 x Mic-in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                     |                                                                                                                                                               |
|           | Output & Interval             | System reset, programmable via software from 1 to 255 seconds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                     |                                                                                                                                                               |
|           | TPM                           | TPM 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                     |                                                                                                                                                               |
|           | Type                          | Wide range 9~36V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                     |                                                                                                                                                               |
| POWER     | Connector                     | 3-pole terminal block<br>2-pin power extension switch connector                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                     |                                                                                                                                                               |

## SPECIFICATION

|                                     |                               |                                                                    |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------|
| <b>OS SUPPORT</b>                   | <b>OS Support</b>             | Windows 10 IoT Enterprise 64 Bit<br>Linux (available upon request) |
| <b>ENVIRONMENT</b>                  | <b>Operating Temperature</b>  | -20 to 60°C (2.5" SSD or M.2 SSD)                                  |
|                                     | <b>Storage Temperature</b>    | -20 to 85°C                                                        |
|                                     | <b>Relative Humidity</b>      | 5 to 95% RH (non-condensing)                                       |
| <b>MECHANICAL</b>                   | <b>Construction</b>           | Metal + Aluminum                                                   |
|                                     | <b>Mounting</b>               | Wall mount                                                         |
|                                     | <b>Dimensions (W x H x D)</b> | 255.3 x 124.6 x 224mm                                              |
|                                     | <b>Weight</b>                 | 5.1 kg                                                             |
| <b>STANDARDS AND CERTIFICATIONS</b> | <b>Shock</b>                  | Half sine wave 3G, 11ms, 3 shock per axis                          |
|                                     | <b>Vibration</b>              | IEC68-2-64                                                         |
|                                     | <b>Certifications</b>         | CE, FCC Class A, UKCA, RoHS, BIS                                   |

## SYSTEM MODELS: EC510-CS

| P/N             | Model           | CPU      | PCH  | DP++ | VGA | COM | USB 3.1 | USB 2.0 | LAN | PoE | Expansion Slot | DIO (DB9, 8bit) | DIO (terminal block 16bit) |
|-----------------|-----------------|----------|------|------|-----|-----|---------|---------|-----|-----|----------------|-----------------|----------------------------|
| 750-EC5102-000G | EC510-CS6G86E-Q | –        | Q370 | 2    | 1   | 6   | 4       | 4       | 2   | 4   | 1 PCI          | –               | 1                          |
| 750-EC5102-600G | EC510-CS6G86E-Q | i5-8500T |      |      |     |     |         |         |     |     |                |                 |                            |
| 750-EC5102-300G | EC510-CS6G86E-Q | i7-8700T |      |      |     |     |         |         |     |     |                |                 |                            |
| 750-EC5102-100G | EC510-CS6G86E-Q | –        |      |      |     |     |         |         |     |     |                |                 |                            |
| 750-EC5102-700G | EC510-CS6G86E-Q | i5-8500T |      |      |     |     |         |         | 6   |     |                |                 |                            |
| 750-EC5102-400G | EC510-CS6G86E-Q | i7-8700T |      |      |     |     |         |         |     | 0   |                |                 |                            |
| 750-EC5102-200G | EC510-CS98A1-H  | –        | H310 | 1    |     | 9   | 8       | 2       | 2   |     |                | 1               | –                          |
| 750-EC5102-800G | EC510-CS98A1-H  | i5-8500T |      |      |     |     |         |         |     |     |                |                 |                            |
| 750-EC5102-500G | EC510-CS98A1-H  | i7-8700T |      |      |     |     |         |         |     |     |                |                 |                            |

\*All above configurations are equipped with remote switch and support 2x2.5" external removable drive bay, 3xM.2 slots (1x M.2 2280 M key, 1x M.2 2230 E key, 1x M.2 3042/3052 B key), and 9V~36Vdc input

## SYSTEM MODELS: EC511-CS

| P/N             | Model           | CPU       | PCH  | DP++ | VGA | COM | USB 3.1 | USB 2.0 | LAN | PoE | Expansion Slot | DIO (DB9, 8bit) | DIO (terminal block, 16bit) | Memory | Storage |      |                    |
|-----------------|-----------------|-----------|------|------|-----|-----|---------|---------|-----|-----|----------------|-----------------|-----------------------------|--------|---------|------|--------------------|
| 750-EC5113-000G | EC511-CS6G86E-Q | —         | Q370 | 2    | 1   | 6   | 4       | 4       | 2   | 4   | 1 PCIe x16     | —               | 1                           | —      | —       |      |                    |
| 750-EC5113-900G | EC511-CS6G86E-Q | i5-8500T  |      |      |     |     |         |         |     |     |                |                 |                             |        |         | 32GB | 2 x 2.5" 128GB SSD |
| 750-EC5113-600G | EC511-CS6G86E-Q | i7-8700T  |      |      |     |     |         |         |     |     |                |                 |                             |        |         |      |                    |
| 750-EC5113-300G | EC511-CS6G86E-Q | i7-9700TE |      |      |     |     |         |         |     |     |                |                 |                             |        |         |      |                    |
| 750-EC5113-100G | EC511-CS6G86-Q  | —         |      |      |     |     |         |         | —   | —   |                |                 |                             |        |         |      |                    |
| 750-EC5113-A00G | EC511-CS6G86-Q  | i5-8500T  |      |      |     |     |         |         |     |     |                |                 |                             |        |         |      |                    |
| 750-EC5113-700G | EC511-CS6G86-Q  | i7-8700T  |      |      |     |     |         |         |     |     |                |                 |                             |        |         |      |                    |
| 750-EC5113-400G | EC511-CS6G86-Q  | i7-9700TE |      |      |     |     |         |         |     |     |                |                 |                             |        |         |      |                    |
| 750-EC5113-200G | EC511-CS98A1-H  | —         | H310 | 1    |     | 9   | 8       | 2       | 2   | 0   | 1              | —               | —                           | —      |         |      |                    |
| 750-EC5113-B00G | EC511-CS98A1-H  | i5-8500T  |      |      |     |     |         |         |     |     |                |                 |                             |        |         |      |                    |
| 750-EC5113-800G | EC511-CS98A1-H  | i7-8700T  |      |      |     |     |         |         |     |     |                |                 |                             |        |         |      |                    |
| 750-EC5113-500G | EC511-CS98A1-H  | i7-9700TE |      |      |     |     |         |         |     |     |                |                 |                             |        |         |      |                    |
|                 |                 |           |      |      |     |     |         |         |     |     |                |                 |                             |        |         |      |                    |

\*All above configurations are equipped with remote switch and support 2x2.5" external removable drive bay, 3xM.2 slots (1x M.2 2280 M key, 1x M.2 2230 E key, 1x M.2 3042/3052 B key), and 9V~36Vdc input

## ORDERING INFORMATION: EC510-CS

| Model Name      | Part Number     | Description                                                                                                                                                          |
|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EC510-CS6G86E-Q | 750-EC5102-000G | Fanless, CS263,Q370, 6 COM, 16 DIO, 8 USB, 2 DP++, 1 VGA, 2 LAN, 4 POE (802.3af), 1 Line-out, 1 Mic-in, 1 PCI, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS               |
| EC510-CS6G86-Q  | 750-EC5102-100G | Fanless, CS263,Q370, 6 COM, 16 DIO, 8 USB, 2 DP++, 1 VGA, 6 LAN, 1 Line-out, 1 Mic-in, 1 PCI, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS                                |
| EC510-CS98A1-H  | 750-EC5102-200G | Fanless, CS263,H310, 9 COM, 8 DIO, 10 USB, 1 DP++, 1 VGA, 2 LAN, 1 Line-out, 1 Mic-in, 1 PCI, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS                                |
| EC510-CS6G86E-Q | 750-EC5102-300G | Fanless, CS263,Q370, i7-8700T CPU, 6 COM, 16 DIO, 8 USB, 2 DP++, 1 VGA, 2 LAN, 4 POE (802.3af), 1 Line-out, 1 Mic-in, 1 PCI, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS |
| EC510-CS6G86-Q  | 750-EC5102-400G | Fanless, CS263,Q370, i7-8700T CPU, 6 COM, 16 DIO, 8 USB, 2 DP++, 1 VGA, 6 LAN, 1 Line-out, 1 Mic-in, 1 PCI, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS                  |
| EC510-CS98A1-H  | 750-EC5102-500G | Fanless, CS263,H310, i7-8700T CPU, 9 COM, 8 DIO, 10 USB, 1 DP++, 1 VGA, 2 LAN, 1 Line-out, 1 Mic-in, 1 PCI, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS                  |
| EC510-CS6G86E-Q | 750-EC5102-600G | Fanless, CS263,Q370, i5-8500T CPU, 6 COM, 16 DIO, 8 USB, 2 DP++, 1 VGA, 2 LAN, 4 POE (802.3af), 1 Line-out, 1 Mic-in, 1 PCI, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS |
| EC510-CS6G86-Q  | 750-EC5102-700G | Fanless, CS263,Q370, i5-8500T CPU, 6 COM, 16 DIO, 8 USB, 2 DP++, 1 VGA, 6 LAN, 1 Line-out, 1 Mic-in, 1 PCI, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS                  |
| EC510-CS98A1-H  | 750-EC5102-800G | Fanless, CS263,H310, i5-8500T CPU, 9 COM, 8 DIO, 10 USB, 1 DP++, 1 VGA, 2 LAN, 1 Line-out, 1 Mic-in, 1 PCI, DC 9~36V input, T+B20:D24PM2.0, F/G SYSTEM RoHS          |

## ORDERING INFORMATION: EC511-CS

| Model Name      | Part Number     | Description                                                                                                                                                                                         |
|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EC511-CS6G86E-Q | 750-EC5113-000G | Fanless, CS263,Q370, 6 COM, 16 DIO, 8 USB, 2 DP++, 1 VGA, 2 LAN, 4 POE (802.3af), 1 Line-out, 1 Mic-in, 1 PCIe x16, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS                                         |
| EC511-CS6G86-Q  | 750-EC5113-100G | Fanless, CS263,Q370, 6 COM, 16 DIO, 8 USB, 2 DP++, 1 VGA, 6 LAN, 1 Line-out, 1 Mic-in, 1 PCIe x16, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS                                                          |
| EC511-CS98A1-H  | 750-EC5113-200G | Fanless, CS263,H310, 9 COM, 8 DIO, 10 USB, 1 DP++, 1 VGA, 2 LAN, 1 Line-out, 1 Mic-in, 1 PCIe x16, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS                                                          |
| EC511-CS6G86E-Q | 750-EC5113-300G | Fanless, CS263,Q370, i7-9700TE CPU, 32GB memory, 2 x 2.5" 128GB SSD, 6 COM, 16 DIO, 8 USB, 2 DP++, 1 VGA, 2 LAN, 4 POE (802.3af), 1 Line-out, 1 Mic-in, 1 PCIe x16, DC 9~36V input, F/G SYSTEM RoHS |
| EC511-CS6G86-Q  | 750-EC5113-400G | Fanless, CS263,Q370, i7-9700TE CPU, 32GB memory, 2 x 2.5" 128GB SSD, 6 COM, 16 DIO, 8 USB, 2 DP++, 1 VGA, 6 LAN, 1 Line-out, 1 Mic-in, 1 PCIe x16, DC 9~36V input, F/G SYSTEM RoHS                  |
| EC511-CS98A1-H  | 750-EC5113-500G | Fanless, CS263,H310, i7-9700TE CPU, 32GB memory, 2 x 2.5" 128GB SSD, 9 COM, 8 DIO, 10 USB, 1 DP++, 1 VGA, 2 LAN, 1 Line-out, 1 Mic-in, 1 PCIe x16, DC 9~36V input, F/G SYSTEM RoHS                  |
| EC511-CS6G86E-Q | 750-EC5113-600G | Fanless, CS263,Q370, i7-8700T CPU, 6 COM, 16 DIO, 8 USB, 2 DP++, 1 VGA, 2 LAN, 4 POE (802.3af), 1 Line-out, 1 Mic-in, 1 PCIe x16, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS                           |
| EC511-CS6G86-Q  | 750-EC5113-700G | Fanless, CS263,Q370, i7-8700T CPU, 6 COM, 16 DIO, 8 USB, 2 DP++, 1 VGA, 6 LAN, 1 Line-out, 1 Mic-in, 1 PCIe x16, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS                                            |
| EC511-CS98A1-H  | 750-EC5113-800G | Fanless, CS263,H310, i7-8700T CPU, 9 COM, 8 DIO, 10 USB, 1 DP++, 1 VGA, 2 LAN, 1 Line-out, 1 Mic-in, 1 PCIe x16, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS                                            |
| EC511-CS6G86E-Q | 750-EC5113-900G | Fanless, CS263,Q370, i5-8500T CPU, 6 COM, 16 DIO, 8 USB, 2 DP++, 1 VGA, 2 LAN, 4 POE (802.3af), 1 Line-out, 1 Mic-in, 1 PCIe x16, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS                           |
| EC511-CS6G86-Q  | 750-EC5113-A00G | Fanless, CS263,Q370, i5-8500T CPU, 6 COM, 16 DIO, 8 USB, 2 DP++, 1 VGA, 6 LAN, 1 Line-out, 1 Mic-in, 1 PCIe x16, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS                                            |
| EC511-CS98A1-H  | 750-EC5113-B00G | Fanless, CS263,H310, i5-8500T CPU, 9 COM, 8 DIO, 10 USB, 1 DP++, 1 VGA, 2 LAN, 1 Line-out, 1 Mic-in, 1 PCIe x16, DC 9~36V input, TPM2.0, F/G SYSTEM RoHS                                            |

## PACKING LIST

|                                                      |
|------------------------------------------------------|
| • 1 EC510/EC511-CS system unit                       |
| • 1 M.2 slot screws                                  |
| • 1 terminal block 3-pole for DC input               |
| • 1 cable with 2 wire stripped and tinned to DC jack |