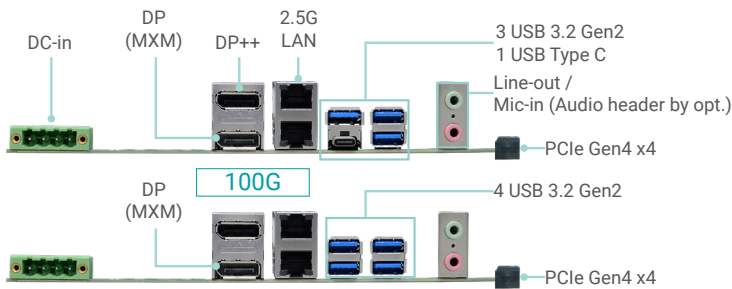


# RPS183-Q670E RPS183-H610E

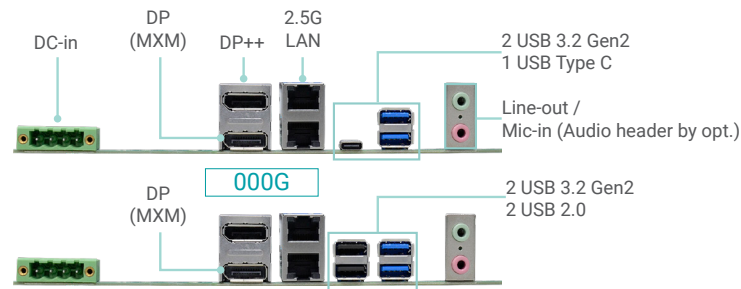
BTL-S/14th/13th/12th Gen Intel® Core™

Desktop

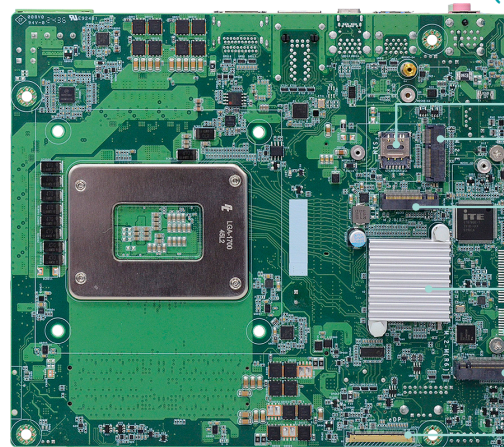
Mini-ITX



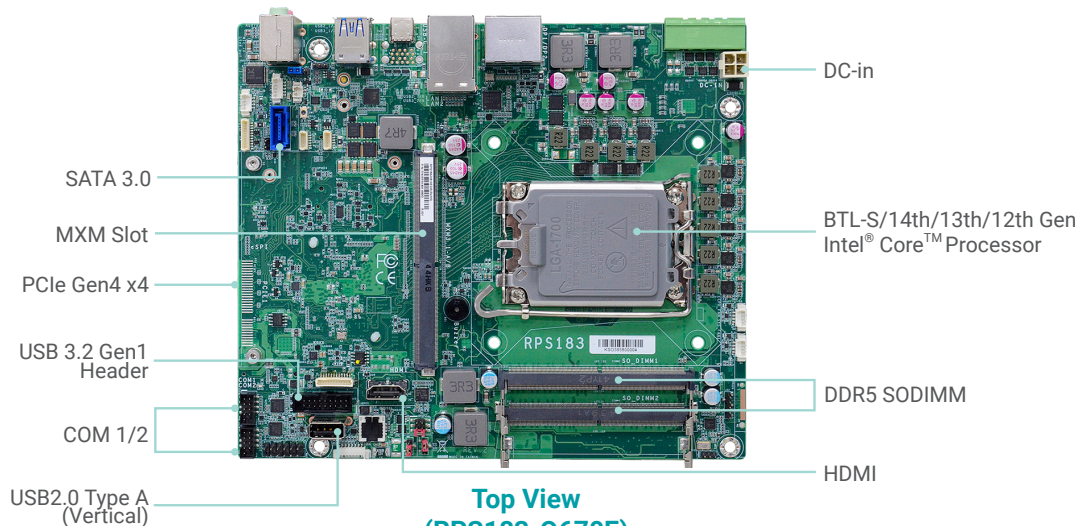
**Rear View  
(RPS183-Q670E)**



**Rear View  
(RPS183-H610E)**



**Bottom View**



**Top View  
(RPS183-Q670E)**

## KEY FEATURES



### DDR5

2 DDR5 SODIMM up to 64GB



### Wide Voltage

Power input 19~24V



### Multiple Display

1 DP++(CPU), 1 DP++(MXM),  
1 USB Type C(DP Alt-mode),  
1 eDP(MXM),  
1 internal HDMI(MXM)



### Multiple Expansion

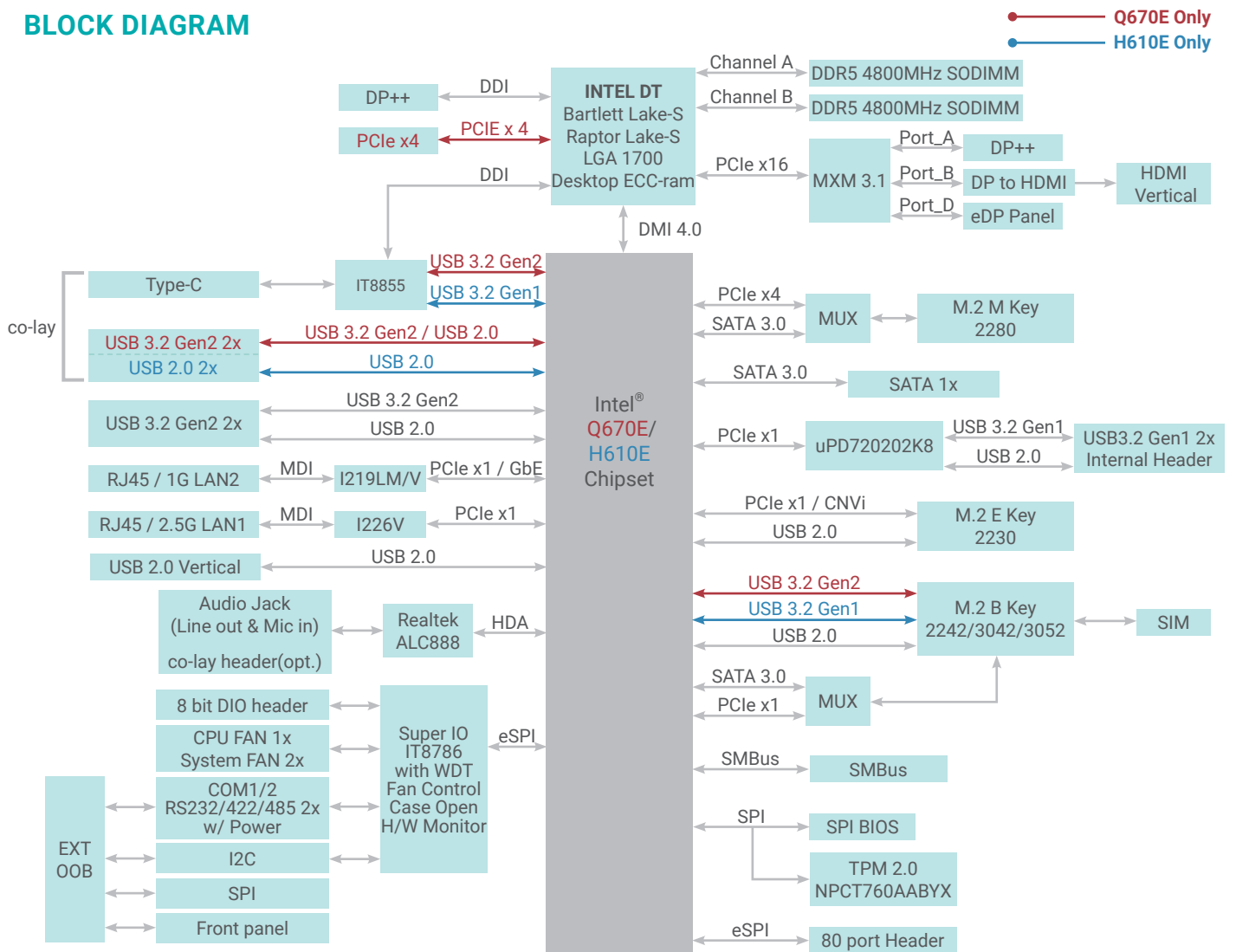
1 PCIe x4 (side), 1 M.2 M Key,  
1 M.2 E Key, 1 M.2 B Key



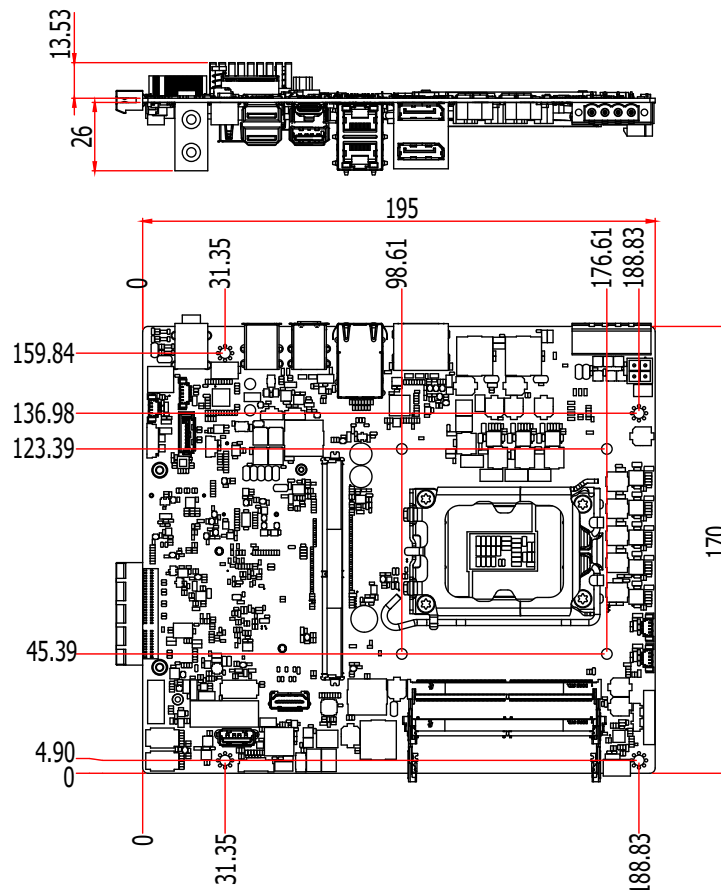
### Rich I/O

2 Intel® 2.5GbE,  
up to 4 USB 3.2 Type A,  
up to 1 USB Type C

## BLOCK DIAGRAM



## MECHANICAL DRAWING



## SPECIFICATION

| Model Name |                  | RPS183-Q670E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | RPS183-H610E                                                                                                                                                                                                                                                        |
|------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SYSTEM     | Processor        | <p>Intel® Bartlett Lake-S Hybrid LGA 1700 Socket Processors</p> <p>Intel® Core™ 7 251E (24 Cores, 36M Cache, up to 5.6 GHz); 65W</p> <p>Intel® Core™ 7 251TE (24 Cores, 36M Cache, up to 5.4 GHz); 45W</p> <p>Intel® Core™ 5 221E (14 Cores, 24M Cache, up to 5.2 GHz); 65W</p> <p>Intel® Core™ 5 221TE (14 Cores, 24M Cache, up to 5.0 GHz); 45W</p> <p>Intel® Core™ 5 211E (10 Cores, 20M Cache, up to 4.9 GHz); 65W</p> <p>Intel® Core™ 5 211TE (10 Cores, 20M Cache, up to 4.8 GHz); 45W</p> <p>Intel® Core™ 3 201E (4 Cores, 12M Cache, up to 4.8 GHz); 60W</p> <p>Intel® Core™ 3 201TE (4 Cores, 12M Cache, up to 4.6 GHz); 45W</p> <p>Intel® 300 (2 Cores, 6M Cache, up to 3.9 GHz); 45W</p> <p>Intel® 300T (2 Cores, 6M Cache, up to 3.4 GHz); 35W</p> <p>14th Generation Intel® LGA 1700 Socket Processors, TDP support up to 65W</p> <p>Intel® Core™ i9-14900 (24 Cores, 36M Cache, up to 5.8 GHz); 65W</p> <p>Intel® Core™ i9-14900T (24 Cores, 36M Cache, up to 5.5 GHz); 35W</p> <p>Intel® Core™ i7-14700 (20 Cores, 33M Cache, up to 5.4 GHz); 65W</p> <p>Intel® Core™ i7-14700T (20 Cores, 33M Cache, up to 5.2 GHz); 35W</p> <p>Intel® Core™ i5-14500 (14 Cores, 24M Cache, up to 5.0 GHz); 65W</p> <p>Intel® Core™ i5-14500T (14 Cores, 24M Cache, up to 4.8 GHz); 35W</p> <p>Intel® Core™ i5-14400 (10 Cores, 20M Cache, up to 4.7 GHz); 65W</p> <p>Intel® Core™ i5-14400T (10 Cores, 20M Cache, up to 4.5 GHz); 35W</p> <p>Intel® Core™ i3-14100 (4 Cores, 12M Cache, up to 4.7 GHz); 60W</p> <p>Intel® Core™ i3-14100T (4 Cores, 12M Cache, up to 4.4 GHz); 35W</p> <p>Intel® 300 (2 Cores, 6M Cache, 3.9 GHz); 46W</p> <p>Intel® 300T (2 Cores, 4M Cache, 3.4 GHz); 35W</p> <p>13th Generation Intel® LGA 1700 Socket Processors, TDP support up to 65W</p> <p>Intel® Core™ i9-13900E (24 Cores, 36M Cache, up to 5.2 GHz); 65W</p> <p>Intel® Core™ i9-13900TE (24 Cores, 36M Cache, up to 5.0 GHz); 35W</p> <p>Intel® Core™ i7-13700E (16 Cores, 30M Cache, up to 5.1 GHz); 65W</p> <p>Intel® Core™ i7-13700TE (16 Cores, 30M Cache, up to 4.8 GHz); 35W</p> <p>Intel® Core™ i7-13700T (16 Cores, 30M Cache, up to 4.9 GHz); 35W</p> <p>Intel® Core™ i5-13500E (14 Cores, 24M Cache, up to 4.6 GHz); 65W</p> <p>Intel® Core™ i5-13500TE (14 Cores, 24M Cache, up to 4.5 GHz); 35W</p> <p>Intel® Core™ i5-13500T (14 Cores, 24M Cache, up to 4.6 GHz); 35W</p> <p>Intel® Core™ i5-13400E (10 Cores, 20M Cache, up to 4.6 GHz); 65W</p> <p>Intel® Core™ i3-13100E (4 Cores, 12M Cache, up to 3.3 GHz); 60W</p> <p>Intel® Core™ i3-13100TE (4 Cores, 12M Cache, up to 4.1 GHz); 35W</p> <p>Intel® Core™ i3-13100T (4 Cores, 12M Cache, up to 4.2 GHz); 35W</p> <p>12th Generation Intel® LGA 1700 Socket Processors, TDP support up to 65W</p> <p>Intel® Core™ i9-12900E (16 Cores, 30M Cache, up to 5.0 GHz); 65W</p> <p>Intel® Core™ i9-12900TE (16 Cores, 30M Cache, up to 4.8 GHz); 35W</p> <p>Intel® Core™ i7-12700E (12 Cores, 25M Cache, up to 4.8 GHz); 65W</p> <p>Intel® Core™ i7-12700TE (12 Cores, 25M Cache, up to 4.6 GHz); 35W</p> <p>Intel® Core™ i5-12500E (6 Cores, 18M Cache, up to 4.5 GHz); 65W</p> <p>Intel® Core™ i5-12500TE (6 Cores, 18M Cache, up to 4.3 GHz); 35W</p> <p>Intel® Core™ i3-12100E (4 Cores, 12M Cache, up to 4.2 GHz); 60W</p> <p>Intel® Core™ i3-12100TE (4 Cores, 12M Cache, up to 4.0 GHz); 35W</p> <p>Intel® Pentium® G7400E (2 Cores, 6M Cache, 3.6 GHz); 46W</p> <p>Intel® Pentium® G7400TE (2 Cores, 6M Cache, 3.0 GHz); 35W</p> <p>Intel® Celeron® G6900E (2 Cores, 4M Cache, 3.0 GHz); 46W</p> <p>Intel® Celeron® G6900TE (2 Cores, 4M Cache, 2.4 GHz); 35W</p> |                                                                                                                                                                                                                                                                     |
|            | Chipset          | Intel® Q670E Chipset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Intel® H610E Chipset                                                                                                                                                                                                                                                |
|            | Memory           | 2x 262-pin SODIMM up to 64GB<br>Dual Channel DDR5 4800MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2x 262-pin SODIMM up to 64GB<br>Dual Channel DDR5 4800MHz                                                                                                                                                                                                           |
|            | BIOS             | AMI SPI 256Mbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | AMI SPI 256Mbit                                                                                                                                                                                                                                                     |
| GRAPHICS   | Controller       | Intel® UHD Graphics 700 series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Intel® UHD Graphics 700 series                                                                                                                                                                                                                                      |
|            | Feature          | OpenGL 4.5, DirectX 12, OpenCL 2.1<br><b>HW Decode:</b> AVC/H.264, MPEG2, VC1/WMV9, JPEG/MJPEG, HEVC/H265, VP8, VP9<br><b>HW Encode:</b> MPEG2, AVC/H264, JPEG, HEVC/H265, VP8, VP9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | OpenGL 4.5, DirectX 12, OpenCL 2.1<br><b>HW Decode:</b> AVC/H.264, MPEG2, VC1/WMV9, JPEG/MJPEG, HEVC/H265, VP8, VP9<br><b>HW Encode:</b> MPEG2, AVC/H264, JPEG, HEVC/H265, VP8, VP9                                                                                 |
|            | Display          | <b>1 x DP++(CPU):</b> Resolution up to 4096x2304 @ 60Hz<br><b>1 x DP++(MXM):</b> Resolution by MXM<br><b>1 x USB Type C:</b> DP Alt-mode, Resolution up to 4096x2304 @60Hz<br><b>1 x eDP(MXM):</b> Resolution by MXM<br><b>1 x Internal HDMI:</b> Resolution by MXM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>1 x DP++(CPU):</b> Resolution up to 4096x2304 @ 60Hz<br><b>1 x DP++(MXM):</b> Resolution by MXM<br><b>1 x USB Type C:</b> DP Alt-mode, Resolution up to 4096x2304 @60Hz<br><b>1 x eDP(MXM):</b> Resolution by MXM<br><b>1 x Internal HDMI:</b> Resolution by MXM |
|            | Multiple Display | 1 DP++(CPU) + 1 DP++(MXM)<br>+ 1 USB Type C(DP Alt-mode)<br>+ 1 eDP(MXM) + 1 internal HDMI(MXM)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1 DP++(CPU) + 1 DP++(MXM)<br>+ 1 USB Type C(DP Alt-mode)<br>+ 1 eDP(MXM) + 1 internal HDMI(MXM)                                                                                                                                                                     |
|            |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                     |

## SPECIFICATION

| Model Name     |                   | RPS183-Q670E                                                                                                                                                                                                                                           | RPS183-H610E                                                                                                                                                                                                |
|----------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EXPANSION      | Interface         | 1 x PCIe Gen4 x4 (Locate at board side)<br>1 x M.2 2280 M Key (PCIe Gen3x4, SATA3)<br>1 x M.2 2230 E Key<br>(PCIe Gen3x1, USB 2.0, support Intel® CNVi)<br>1 x MXM Type-A/B/B+<br>1 x M.2 2242/3042/3052 B Key<br>(PCIe Gen3x1, USB 3.2 Gen2, USB 2.0) | 1 x M.2 2280 M Key (PCIe Gen3x4, SATA3)<br>1 x M.2 2230 E Key<br>(PCIe Gen3x1, USB 2.0, support Intel® CNVi)<br>1 x MXM Type-A/B/B+<br>1 x M.2 2242/3042/3052 B Key<br>(PCIe Gen3x1, USB 3.2 Gen1, USB 2.0) |
|                | Audio Codec       | Realtek ALC888S                                                                                                                                                                                                                                        | Realtek ALC888S                                                                                                                                                                                             |
| ETHERNET       | Controller        | 1 x Intel® I226LM(vPro)(10/100/1000/2500Mbps)<br>1 x Intel® I226V (10/100/1000/2500Mbps)                                                                                                                                                               | 1 x Intel® I219V (10/100/1000/2500Mbps)<br>1 x Intel® I226V (10/100/1000/2500Mbps)                                                                                                                          |
| REAR I/O       | Ethernet          | 2 x 2.5GHz RJ45                                                                                                                                                                                                                                        | 2 x 2.5GHz RJ45                                                                                                                                                                                             |
|                | USB               | 4 x USB 3.2 Gen2 or<br>3 x USB 3.2 Gen2 + 1 x USB Type C                                                                                                                                                                                               | 2 x USB 3.2 Gen2 + 2 x USB 2.0 or<br>2 x USB 3.2 Gen2 + 1 x USB Type C                                                                                                                                      |
|                | Display           | 1 x DP++, 1 DP++(MXM)<br>1 x USB Type C                                                                                                                                                                                                                | 1 x DP++, 1 DP++(MXM)<br>1 x USB Type C                                                                                                                                                                     |
| REAR I/O       | Audio             | 1 Audio Jack (Line-out/Mic-in)<br>(Audio header by opt.)                                                                                                                                                                                               | 1 Audio Jack (Line-out/Mic-in)<br>(Audio header by opt.)                                                                                                                                                    |
| INTERNAL I/O   | USB               | 2 x USB 3.2 Gen1 Header<br>1 x USB 2.0 Type A                                                                                                                                                                                                          | 2 x USB 3.2 Gen1 Header<br>1 x USB 2.0 Type A                                                                                                                                                               |
|                | Display           | 1 x eDP(MXM)<br>1 x HDMI(MXM)                                                                                                                                                                                                                          | 1 x eDP(MXM)<br>1 x HDMI(MXM)                                                                                                                                                                               |
|                | Serial            | 2 x RS-232/422/485                                                                                                                                                                                                                                     | 2 x RS-232/422/485                                                                                                                                                                                          |
|                | SATA              | 1 x SATA 3.0                                                                                                                                                                                                                                           | 1 x SATA 3.0                                                                                                                                                                                                |
|                | DIO               | 1 x 8-bit DIO (BOX HEADER 1*10P/1.00mm)                                                                                                                                                                                                                | 1 x 8-bit DIO (BOX HEADER 1*10P/1.00mm)                                                                                                                                                                     |
|                | SPI               | 1 x SPI (BOX HEADER 1*7P/1.25mm)(For OOB)                                                                                                                                                                                                              | 1 x SPI (BOX HEADER 1*7P/1.25mm)(For OOB)                                                                                                                                                                   |
|                | I2C               | 2 x I2C (BOX HEADER, 1*5P/1.0m)                                                                                                                                                                                                                        | 2 x I2C (BOX HEADER, 1*5P/1.0m)                                                                                                                                                                             |
|                | FAN               | 1 x CPU, 2 x System (WAFER,1*4P/1.25mm)                                                                                                                                                                                                                | 1 x CPU, 2 x System (WAFER,1*4P/1.25mm)                                                                                                                                                                     |
| WATCHDOG TIMER | Output & Interval | System Reset, Programmable via Software from 1 to 255 Seconds                                                                                                                                                                                          | System Reset, Programmable via Software from 1 to 255 Seconds                                                                                                                                               |
| SECURITY       | TPM               | dTPM (default)<br>fTPM (option)                                                                                                                                                                                                                        | dTPM (default)<br>fTPM (option)                                                                                                                                                                             |
| POWER          | Type              | DC IN                                                                                                                                                                                                                                                  | DC IN                                                                                                                                                                                                       |
|                | Connector         | 4-pin Terminal 19~24V DC-In                                                                                                                                                                                                                            | 4-pin Terminal 19~24V DC-In                                                                                                                                                                                 |
|                | Consumption       | <b>Idle:</b> i9-13900E 65W with MXM A4500:<br>24V @ 2.03A (48.72W), 19V @ 2.50A (47.50W)<br><b>Max:</b> i9-13900E 65W with MXM A4500:<br>24V @ 11.66A (279.84W),<br>19V @ 14.73A (279.87W)                                                             | <b>Idle:</b> i9-13900E 65W with MXM A4500:<br>24V @ 2.03A (48.72W), 19V @ 2.50A (47.50W)<br><b>Max:</b> i9-13900E 65W with MXM A4500:<br>24V @ 11.66A (279.84W),<br>19V @ 14.73A (279.87W)                  |
|                |                   | <b>Idle:</b> i9-13900E 65W :<br>24V @ 2.60A (62.40W), 19V @ 3.13A (59.47W)<br><b>Max:</b> i9-13900E 65W:<br>24V @ 6.40A (153.60W), 19V @ 8.08A (153.52W)                                                                                               | <b>Idle:</b> i9-13900E 65W :<br>24V @ 2.60A (62.40W), 19V @ 3.13A (59.47W)<br><b>Max:</b> i9-13900E 65W:<br>24V @ 6.40A (153.60W), 19V @ 8.08A (153.52W)                                                    |
|                | RTC Battery       | CR2032 Coin Cell                                                                                                                                                                                                                                       | CR2032 Coin Cell                                                                                                                                                                                            |
| OS SUPPORT     | Microsoft         | Windows 10 IoT Enterprise 64-bit<br>Windows 11 LTSC                                                                                                                                                                                                    | Windows 10 IoT Enterprise 64-bit<br>Windows 11 LTSC                                                                                                                                                         |
|                | Linux             | Linux Ubuntu 22.04                                                                                                                                                                                                                                     | Linux Ubuntu 22.04                                                                                                                                                                                          |
| ENVIRONMENT    | Temperature       | <b>Operating w/o MXM:</b> -5°C ~ 65°C<br><b>Operating w/i MXM:</b> By MXM spec<br><b>Storage:</b> -40°C ~ 85°C                                                                                                                                         | <b>Operating w/o MXM:</b> -5°C ~ 65°C<br><b>Operating w/i MXM:</b> By MXM spec<br><b>Storage:</b> -40°C ~ 85°C                                                                                              |
|                | Humidity          | <b>Operating:</b> 5% ~ 90% RH<br><b>Storage:</b> 5% ~ 90% RH                                                                                                                                                                                           | <b>Operating:</b> 5% ~ 90% RH<br><b>Storage:</b> 5% ~ 90% RH                                                                                                                                                |
|                | MTBF              | <b>RPS183-Q670E 480,169 hrs @ 25°C;</b><br><b>281,641 hrs @ 45°C; 182,084 hrs @ 60°C;</b><br><b>Calculation model:</b> Telcordia Issue 4<br><b>Environment:</b> GB, GC – Ground Benign, Controlled                                                     | <b>RPS183-H610E 480,169 hrs @ 25°C;</b><br><b>281,641 hrs @ 45°C; 182,084 hrs @ 60°C;</b><br><b>Calculation model:</b> Telcordia Issue 4<br><b>Environment:</b> GB, GC – Ground Benign, Controlled          |
| MECHANISM      | Dimensions        | 195mm (7.7") x 170mm (6.7")                                                                                                                                                                                                                            | 195mm (7.7") x 170mm (6.7")                                                                                                                                                                                 |
|                | Height            | <b>PCB:</b> 1.6mm<br><b>Top Side:</b> 26.0mm(Audio); 25.79mm(RJ45)<br><b>Bottom Side:</b> 13.53mm                                                                                                                                                      | <b>PCB:</b> 1.6mm<br><b>Top Side:</b> 26.0mm(Audio); 25.79mm(RJ45)<br><b>Bottom Side:</b> 13.53mm                                                                                                           |
| CERTIFICATION  | Certification     | CE, FCC, RoHS, UKCA                                                                                                                                                                                                                                    | CE, FCC, RoHS, UKCA                                                                                                                                                                                         |

ORDERING INFORMATION

| Model Name     | P/N              | Memory | Rear I/O |         |                                  | Internal I/O   |             |                 |                                  | TPM   | Power     | Operating Temp. |
|----------------|------------------|--------|----------|---------|----------------------------------|----------------|-------------|-----------------|----------------------------------|-------|-----------|-----------------|
|                |                  |        | Display  | 2.5 GbE | USB                              | PCIE           | M.2         | Display         | USB                              |       |           |                 |
| RPS183-H610EDB | 770-RPS1831-000G | 2 DDR5 | 2 DP*++  | 2       | 2 USB 3.2 Gen2, 1 USB Type C     | N/A            | 1 M/B/E Key | 1 eDP*, 1 HDMI* | 2 USB 3.2 Gen1, 1 USB 2.0 Type A | w/TPM | 19~24V DC | -5 to 65°C      |
| RPS183-Q670EDB | 770-RPS1831-100G |        |          |         | 3 USB 3.2 Gen2, 1 USB Type C     | 1 PCIe4 (side) |             |                 |                                  |       |           |                 |
| RPS183-H610EDB | 770-RPS1831-200G |        |          |         | 2 USB 3.2 Gen2, 2 USB 2.0 Type A | N/A            |             |                 |                                  |       |           |                 |
| RPS183-Q670EDB | 770-RPS1831-300G |        |          |         | 4 USB 3.2 Gen2                   | 1 PCIe4 (side) |             |                 |                                  |       |           |                 |

(NOTE: \* Full functionality requires MXM implementation)

OPTIONAL ITEMS

| Model Name                                             | P/N             | Description                              |
|--------------------------------------------------------|-----------------|------------------------------------------|
| Active Thermal Solution(65W)                           | A71-101137-000G | Thermal solution (For 65W, Height: 46mm) |
| Active Thermal Solution(35W)                           | A71-101136-000G | Thermal solution (For 35W, Height: 39mm) |
| PSU(450W, 24V)                                         | 671-745001-000G | Meanwell HRP-450-24                      |
| Power adapter (360W, 24V)                              | 671-136001-000G | Meanwell GST360B24-C6P                   |
| Power adapter (160W, 24V)                              | 671-116005-000G | Meanwell GST160A24-DFIA                  |
| Power terminal converting cable (Spade-to-Phoenix 4P)  | A81-004398-018G | 20cm, for Meanwell HRP-450-24            |
| Power terminal converting cable (ATX 6P-to-Phoenix 4P) | A81-004397-018G | 20cm, for Meanwell GST360B24-C6P         |
| Power terminal converting cable (DC5.5-to-ATX 2x2P)    | A81-004110-009G | 20cm, for Meanwell GST160A24-DFIA        |

PACKING LIST

|                                                 |
|-------------------------------------------------|
| • 1 RPS183 motherboard                          |
| • 1 Serial ATA data cable (Length: 500mm)       |
| • 2 M.2 screws                                  |
| • 3 WIRE FAN CABLE 4P/1.25mm to 2.54mm, L=150mm |
| • 1 COM PORT CABLE , L=250mm                    |