

E551 Series



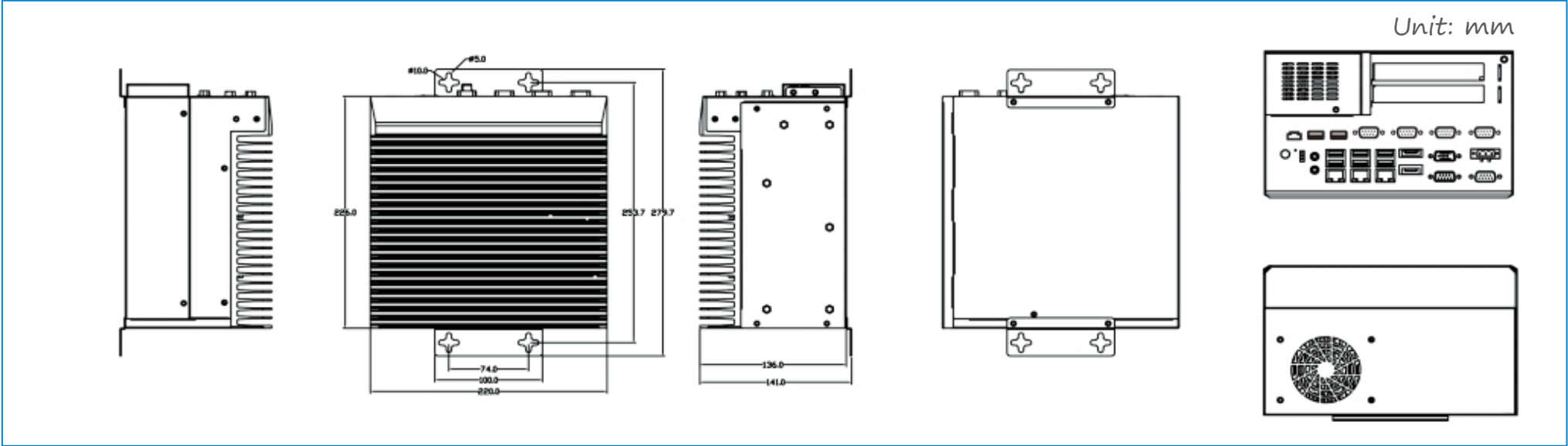
Features

- 6<sup>th</sup> ~9<sup>th</sup> generation Intel® Core™ Series CPU
- H110 chipset
- Dual channel DDR4 up to 64GB memory
- 3 display: 2 DP, 1 VGA (Support 2 independent display)
- 6 GbE LAN (2 x Intel i210-AT, 1 x Intel i219-LM)
- 1 RS-232/422/485, 2 RS-232/485, 1 RS-232
- 4 USB 3.0, 4 USB 2.0
- 1 x PCIe Gen3 x16 , 1 x PCIe Gen2 x4(x2 Signal)/PCI Expansion Slot
- Support 4G, Wi-Fi Wi-Fi module expansion
- DC 24V (9-36V Configuration is optional)
- Optional configuration of external UPS module
- 220 x 226 x 136 mm (L x W x H), Support Wall-mounting
- Modular and cable-free design
- CE/FCC Class B, ESD 8KV/15KV
- Windows,Windows 10, centos 7/8, ubuntu 18.04~24.04, etc.

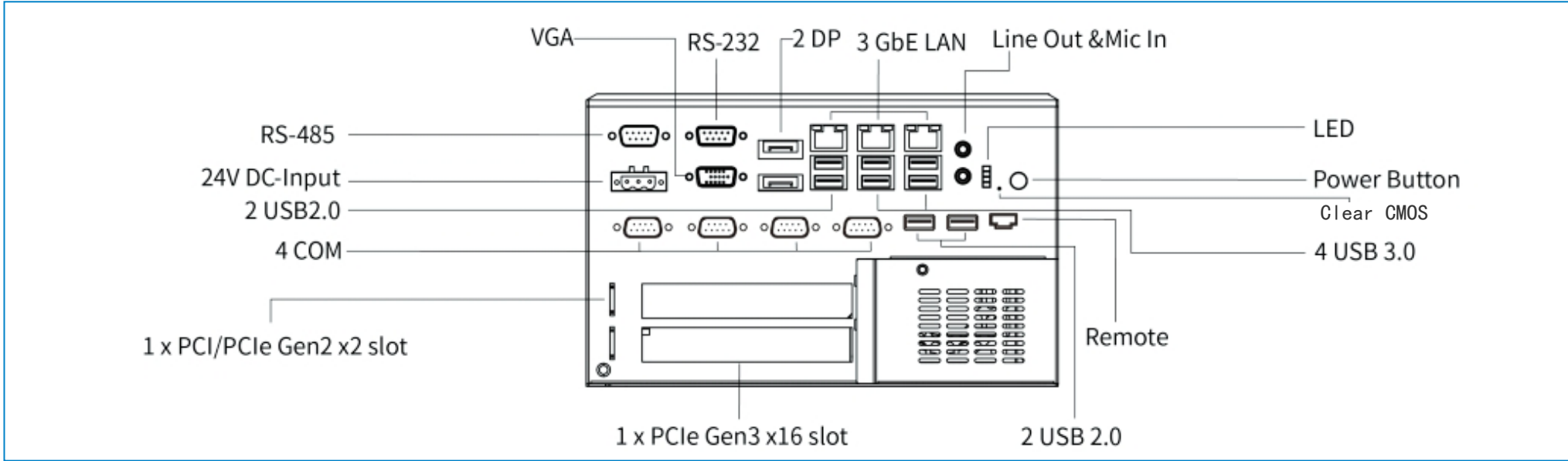
Specifications

|                          | Item                  | Description                                                                         |
|--------------------------|-----------------------|-------------------------------------------------------------------------------------|
| Processor System         | CPU                   | 6 <sup>th</sup> ~9 <sup>th</sup> generation Intel® Core™ Series CPU                 |
|                          | TDP                   | Max 65W                                                                             |
|                          | Socket                | LGA1151                                                                             |
|                          | Chipset               | H110                                                                                |
|                          | BIOS                  | AMI 64MB UEFI BIOS                                                                  |
| Memory                   | Technology            | Dual channel 260-PIN DDR4 SO-DIMM                                                   |
|                          | Capacity              | Max 64GB                                                                            |
| External I/O             | DP                    | 2 x DP, resolution up to 4096 x 2304@60 Hz                                          |
|                          | VGA                   | 1 x VGA, resolution up to 1920 x 1080@60 Hz                                         |
|                          | Ethernet              | 2 x Intel® i210-AT GbE, 1 x Intel® i219-LM GbE                                      |
|                          | USB                   | 4 x USB 3.0, 4 x USB 2.0                                                            |
|                          | Serial Port           | 1 RS-232/422/485, 3 RS-232/485, 2 RS-232                                            |
|                          | Audio                 | 1 x Line-out, 1 x Mic-in (Realtek ALC 662)                                          |
|                          | Power Input Connector | 3-pin phoenix connector                                                             |
|                          | Remote                | 1 x Remote                                                                          |
| Expansion Slot           | PCIe / PCI            | 1 x PCIe 3.0 x16, 1 x PCIe 2.0 x4 (x2 Signal) or 1 x PCI                            |
|                          | SIM                   | 1 x Nano SIM                                                                        |
| LED &Switch              | LED                   | Memory, Stand by, SSD, Watchdog                                                     |
|                          | Power Button          | 1 x Power Button                                                                    |
|                          | Clear CMOS Button     | 1 x Clear CMOS Button                                                               |
| Internal I/O             | Mini PCIe             | 1 x full size Mini PCIe, Support WLAN/WWAN Module                                   |
|                          | M.2                   | 1 x M.2 B-Key 2280                                                                  |
|                          | SATA 3.0              | 1 x SATA 3.0, Support 2.5"SSD                                                       |
|                          | USB 2.0               | 2 x USB 2.0 Type-A                                                                  |
| Power Supply             | Power Input           | 24V DC (9-36V Configuration is optional)                                            |
| Others                   | Watchdog              | Interrupt、System Rest, 255 grade timer interval, from 1 to 255 sec                  |
| Physical Characteristics | Material              | Aluminium Alloy                                                                     |
|                          | Dimension             | 220 x 226 x 136mm (L x W x H)                                                       |
|                          | Weight                | 4.0 Kg                                                                              |
|                          | Installation Method   | Wall-mounting                                                                       |
| Environment              | Operating Temperature | 0~50 ° C (32~122°F ) with airflow 0.7 m/s                                           |
|                          | Storage Temperature   | -40~85 ° C (-40~185° F)                                                             |
|                          | Operating Humidity    | 95% @ 40 ° C(Non-condensing)                                                        |
|                          | Storage Humidity      | 95% @ 60 ° C(Non-condensing)                                                        |
| Certification            | EMC                   | CE, FCC                                                                             |
| OS                       | OS                    | Windows 7 （Only Intel® Gen 6th CPU）,Windows 10, centos 7/8, ubuntu 18.04~24.04, etc |

Dimensions



Interface



Ordering Information

| Item    | CPU           | Max TDP | Turbo Frequency | Core | Thread | LAN | USB3.0 | USB2.0 | COM | Expansion Slot                                 | Audio | USIM | SATA 3.0 | VGA | DP | Power  |
|---------|---------------|---------|-----------------|------|--------|-----|--------|--------|-----|------------------------------------------------|-------|------|----------|-----|----|--------|
| E551-01 | Pentium G4560 | 54W     | 3.50GHz         | 2    | 4      | 3   | 4      | 4      | 6   | 1 x PCIe 3.0 x16<br>1 x PCIe 2.0 x4 or 1 x PCI | 2     | 1    | 3        | 1   | 2  | 24V DC |
| E551-02 | Celeron G3930 | 51W     | 2.90 GHz        | 2    | 2      | 3   | 4      | 4      | 6   | 1 x PCIe 3.0 x16<br>1 x PCIe 2.0 x4 or 1 x PCI | 2     | 1    | 3        | 1   | 2  | 24V DC |
| E551-03 | Pentium G5400 | 58W     | 3.7GHz          | 2    | 4      | 3   | 4      | 4      | 6   | 1 x PCIe 3.0 x16<br>1 x PCIe 2.0 x4 or 1 x PCI | 2     | 1    | 3        | 1   | 2  | 24V DC |
| E551-04 | Celeron G4900 | 54W     | 3.1GHz          | 2    | 2      | 3   | 4      | 4      | 6   | 1 x PCIe 3.0 x16<br>1 x PCIe 2.0 x4 or 1 x PCI | 2     | 1    | 3        | 1   | 2  | 24V DC |
| E551-05 | i3- 8100      | 65W     | 3.6GHz          | 4    | 4      | 3   | 4      | 4      | 6   | 1 x PCIe 3.0 x16<br>1 x PCIe 2.0 x4 or 1 x PCI | 2     | 1    | 3        | 1   | 2  | 24V DC |
| E551-06 | i5- 7500      | 65W     | 3.8GHz          | 4    | 4      | 3   | 4      | 4      | 6   | 1 x PCIe 3.0 x16<br>1 x PCIe 2.0 x4 or 1 x PCI | 2     | 1    | 3        | 1   | 2  | 24V DC |
| E551-07 | i3- 7100      | 51W     | 3.9GHz          | 2    | 4      | 3   | 4      | 4      | 6   | 1 x PCIe 3.0 x16<br>1 x PCIe 2.0 x4 or 1 x PCI | 2     | 1    | 3        | 1   | 2  | 24V DC |
| E551-08 | i7-7700       | 65W     | 4.20GHz         | 4    | 8      | 3   | 4      | 4      | 6   | 1 x PCIe 3.0 x16<br>1 x PCIe 2.0 x4 or 1 x PCI | 2     | 1    | 3        | 1   | 2  | 24V DC |
| E551-09 | i5-8400       | 65W     | 4.00GHz         | 6    | 6      | 3   | 4      | 4      | 6   | 1 x PCIe 3.0 x16<br>1 x PCIe 2.0 x4 or 1 x PCI | 2     | 1    | 3        | 1   | 2  | 24V DC |
| E551-10 | i7-8700       | 65W     | 4.60GHz         | 6    | 12     | 3   | 4      | 4      | 6   | 1 x PCIe 3.0 x16<br>1 x PCIe 2.0 x4 or 1 x PCI | 2     | 1    | 3        | 1   | 2  | 24V DC |
| E551-11 | i3-9100       | 65W     | 4.20GHz         | 4    | 4      | 3   | 4      | 4      | 6   | 1 x PCIe 3.0 x16<br>1 x PCIe 2.0 x4 or 1 x PCI | 2     | 1    | 3        | 1   | 2  | 24V DC |
| E551-12 | i5-9400       | 65W     | 4.10 GHz        | 6    | 6      | 3   | 4      | 4      | 6   | 1 x PCIe 3.0 x16<br>1 x PCIe 2.0 x4 or 1 x PCI | 2     | 1    | 3        | 1   | 2  | 24V DC |
| E551-13 | i7-9700       | 65W     | 4.70GHz         | 8    | 8      | 3   | 4      | 4      | 6   | 1 x PCIe 3.0 x16<br>1 x PCIe 2.0 x4 or 1 x PCI | 2     | 1    | 3        | 1   | 2  | 24V DC |

## Optional Accesories

| Part Number       | Desription                                            |
|-------------------|-------------------------------------------------------|
| MF0A0000000000014 | WiFi+BT Mini PCIE AW-CB161H 802.11 a/b/g/n/ac Wifi5   |
| MF0A0000000000036 | 4G LTE module, M.2 EM05CEFC-128-SGAS, Chinses version |

## Packing List

| Part Number       | Description                                 | Quantity |
|-------------------|---------------------------------------------|----------|
| -                 | E551 Series Embedded PC                     | 1        |
| KE0A0000000000004 | Cross-round head screw                      | 4        |
| ZM0A0000000000020 | Three-prong power cord, Chinese standard    | 1        |
| ZM0A0000000000058 | Power adapter, with 3-pin phoenix terminals | 1        |
| MC0A0000000000019 | Wall mounting kits (100*37*1mm)             | 1        |

## OS Support

|         | Description                                        |
|---------|----------------------------------------------------|
| Windows | Win10 IoT Ent 2019 LTSC Entry OEM                  |
|         | Win10 IoT Ent 2019 LTSC MultiLang ESD OEI High End |
|         | Win10 IoT Ent 2019 LTSC MultiLang ESD OEI Value    |
|         | Win10 IoT Ent 2021 LTSC Multilang ESD OEI Entry    |
| Linux   | centos 7                                           |
|         | centos 8                                           |
|         | ubuntu 18.04~24.04                                 |