

mBOX600 Preliminary

Medical Grade System with Intel® Xeon® & 8th Gen Intel® i7/i5/i3 Processor for Smart Healthcare Applications

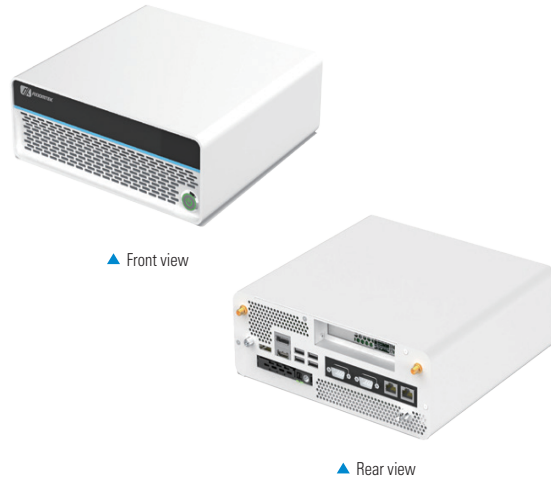
Features

- Intel® Xeon® & 8th Gen Intel® i7/i5/i3 processors (Coffee Lake), TDP 45W
- 2 DDR4-2400 SO-DIMM for up to 64GB memory
- 1 HDMI and 2 DisplayPort++ with 4K UHD supported
- 2 COM and 2 GbE LAN support 4kV isolation
- Supports half-size PCI Express x16 slot
- Swappable 2.5" SATAIII SSD tray with security lock
- Antimicrobial coating chassis (optional)



Specifications

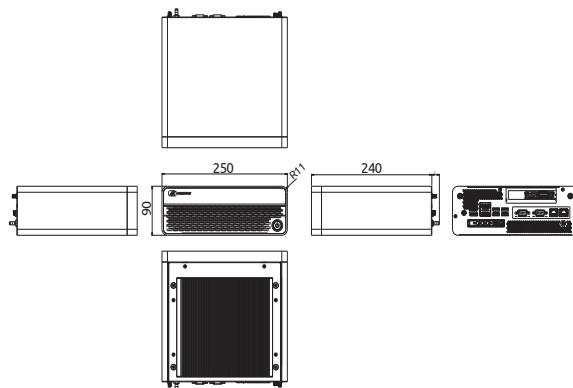
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|-----------------------|--|
| Standard Color | White |
| CPU | Intel® Xeon® & 8th gen Intel® Core™ i7/i5/i3 processors |
| System Memory | 2 x 260-pin DDR4-2666 non-ECC SO-DIMM, up to 64GB |
| Chipset | Intel® CM246/QM370/HM370 |
| Display | Intel® UHD Graphics 630 Supports Gfx - DX12.0, OCL2.0, OGL4.3/4.4 |
| BIOS | AMI uEFI |
| System I/O Outlet | 2 x RS-232/422/485 2 x 10/100/1000 Mbps Ethernet (Intel® i210-IT & Intel® i219-LM) 4 x USB 3.1 1 x HDMI 1.4 2 x DisplayPort 1.2 1 x Power on/off button 1 x DC power input connector 2 x SMA-type antenna connector |
| Watchdog Timer | 65535 levels, 1 to 65535 sec. |
| Storage | 1 x 2.5" SATAIII SSD 1 x M.2 Key M 2280 NVMe SSD slot |
| Expansion Interface | 1 x Full-size PCI Express Mini Card slot (USB + PCIe signal) 1 x Half size PCI Express x16 Gen3 slot |
| TPM | TPM 2.0 |
| System Indicator | 1 x Blue LED for system power-on |
| Power Input | 12-24V DC in |
| Operating Temperature | 0°C to 40°C (32°F to 104°F) |
| Humidity | 10% - 90%, non-condensing |
| Vibration Endurance | 3Grms STD, random, 5 to 500 Hz, 1 hr/axis |
| Dimensions | 250 mm (9.8") (W) x 240 mm (9.44") (D) x 90 mm (3.54") (H) |
| Weight (net/gross) | 4 kg |
| Certifications | CE, FCC IEC-60601 Compliance |
| EOS Support | Win 10 IoT, Linux |



Ordering Information

| | |
|-----------------|---|
| Standard | |
| mBOX600 | Medical Grade Slim System with Intel® Xeon® & 8th Gen Intel® i7/i5/i3 Processors, HDMI 1.4, DisplayPort 1.2, 2 COM, 4 USB 3.1 and 2 GbE LAN |
| Optional | |
| DDR4 SO-DIMM | 8GB to 64GB |
| 2.5" SATA SSD | 128GB or above |
| M.2 NVMe SSD | 100GB or above |
| WLAN Kit | Wi-Fi module & antenna |
| Power Adapter | 24V 150W adapter (Medical Grade) |

Dimensions



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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