

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

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 DisplayPort1.2 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



▲ Front view



▲ Rear view

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

