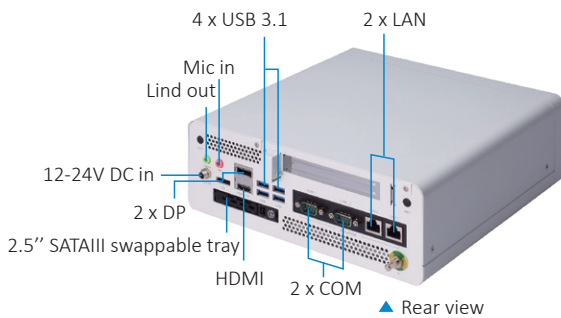


mBOX600

Medical Grade System with 9th/8th Gen Intel® Core™ i7/i5 Processor for Smart Healthcare Applications



▲ Front view



▲ Rear view

Features

- 9th/8th gen Intel® Core™ i7/i5 processor, TDP 45W
- 2 DDR4-2666 SO-DIMM for up to 64GB memory
- Supports 4K UHD resolution through 1 HDMI port and 2 DisplayPort++
- 2 COM and 2 GbE LAN with isolation supported
- Supports half-size PCIe x16 slot
- Swappable 2.5" SATAIII SSD tray with a security lock
- Antimicrobial coating chassis (optional)



4K Ultra HD



24VDC



M.2



DDR4



Triple View



Isolation

Specifications

Standard Color	White
CPU	9th/8th gen Intel® Core™ i7/i5 processor (Coffee Lake) with TDP 45W
System Memory	2 x 260-pin DDR4-2666 non-ECC SO-DIMM, up to 64GB
Chipset	Intel® QM370
Graphics	Intel® UHD Graphics 630
Display	1 x HDMI 1.4 (4096 x 2160 @30Hz) 2 x DisplayPort 1.2 (4096 x 2304 @60Hz)
BIOS	AMI uEFI
System I/O Outlet	2 x RS-232/422/485 with isolation supported 2 x 10/100/1000 Mbps Ethernet, supporting Intel® I210-IT, Intel® I219-LM, and Intel® AMT 4 x USB 3.1 Gen2 1 x HDMI 1.4 2 x DisplayPort 1.2 1 x Line-out 1 x Mic in 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/HDD 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	24 VDC power supply
Power Adapter	24V/6.25A, 150W adapter (medical grade)

Specifications

Operating Temperature	0°C to 40°C (32°F to 104°F)
Humidity	10% to 90%, non-condensing
Vibration Endurance	3 Grms 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/8.82 lb
Safety & EMC	CE, FCC Part 18 EN 60601-1: 2006 + A1: 2013 + A12: 2014 BS EN 60601-1: 2006 + A1: 2013 + A12: 2014 EN 60601-1-2:2015 + A1:2021 BS EN 60601-1-2:2015 + A1:2021 ISO 14971:2019
EOS Support	Win 10, Linux

Packing List

1 x mBOX600 unit
1 x 150W medical adapter
1 x SDD tray screw pack

Ordering Information

Standard

mBOX600-i7-9850HE (P/N: E27N600101)	Medical grade system with Intel® Core™ i7-9850HE processor, 16G DDR4 memory, HDMI 1.4, 2 DisplayPort 1.2, 2 COM, 2 GbE LAN, 4 USB 3.1 Gen 2, and Mic-in/Line-out
mBOX600-i5-8400H (P/N: E27N600100)	Medical grade system with Intel® Core™ i5-8400H processor, 16G DDR4 memory, HDMI 1.4, 2 DisplayPort 1.2, 2 COM, 2 GbE LAN, 4 USB 3.1 Gen 2, and Mic-in/Line-out

Optional

DDR4 non-ECC SO-DIMM, up to 64GB
2.5" SATA HDD/SSD
M.2 Key M 2280 (PCIe x4) NVMe SSD
Power cord

Dimensions

