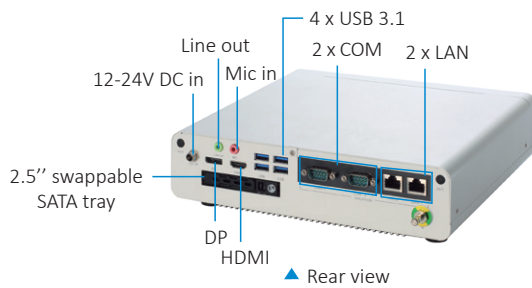


mBOX100

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



▲ Front view



▲ Rear view

Features

- 8th gen Intel® Core™ i7/i5 processor, TDP 15W
- 2 DDR4-2400 SO-DIMM for up to 64GB memory
- 1 HDMI and 1 DisplayPort with 4K UHD supported
- 2 COM and 2 GbE LAN with isolation supported
- Swappable 2.5" SATAIII SSD tray with security lock
- Antimicrobial coating chassis (optional)



Low Power



USB 3.1



Fanless



4K Ultra HD



12-24VDC



M.2



Dual View



Isolation

Specifications

Standard Color	White
CPU	8th gen Intel® Core™ i7/i5 processor (Whiskey Lake-U) with TDP 15W
System Memory	2 x 260-pin DDR4-2400 non-ECC SO-DIMM, up to 64GB
Chipset	SoC integrated
Graphics	Intel® UHD Graphics 620
Display	1 x HDMI 1.4 (4096 x 2160 @30Hz) 1 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 (Intel® I210-IT & Intel® I219-LM, Intel® AMT supported) with isolation supported 4 x USB 3.1 Gen2 1 x HDMI 1.4 1 x DisplayPort 1.2 1 x Power on/off button 1 x DC power input connector 2 x SMA-type antenna connector 1 x Line out 1 x Mic in
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)
TPM	TPM 2.0
System Indicator	1 x Blue LED for system power-on
Power Input	12V to 24V DC power supply
Power Adapter	24V/2.7A, 65W adapter (medical grade)
Operating Temperature	0°C to 40°C (-40°F to 158°F)
Humidity	10% - 90%, non-condensing

Specifications

Vibration Endurance	3 Grms STD, random, 5 to 500 Hz, 1 hr/axis
Dimensions	250 mm (9.8") (W) x 220 mm (8.66") (D) x 60 mm (2.36") (H)
Weight (net/gross)	3 kg/6.61 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
OS Support	Win 10, Linux

Packing List

- 1 x mBOX100 unit
- 1 x 65W medical adapter
- 1 x SDD tray screw pack

Ordering Information

Standard

mBOX100-i7-8665UE (P/N: E27N100101)	Medical grade fanless slim system with Intel® Core™ i7-8665UE processor, 16G DDR4 memory, HDMI 1.4, DisplayPort 1.2, 2 COM, 2 GbE LAN, 4 USB 3.1 Gen2, 1 Line out and 1 Mic in
mBOX100-i5-8365UE (P/N: E27N100100)	Medical grade fanless slim system with Intel® Core™ i5-8365UE processor, 16G DDR4 memory, HDMI 1.4, DisplayPort 1.2, 2 COM, 2 GbE LAN, 4 USB 3.1 Gen2, 1 Line out and 1 Mic in

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

