

M1920

19" Fanless Intel® Medical Station



Features

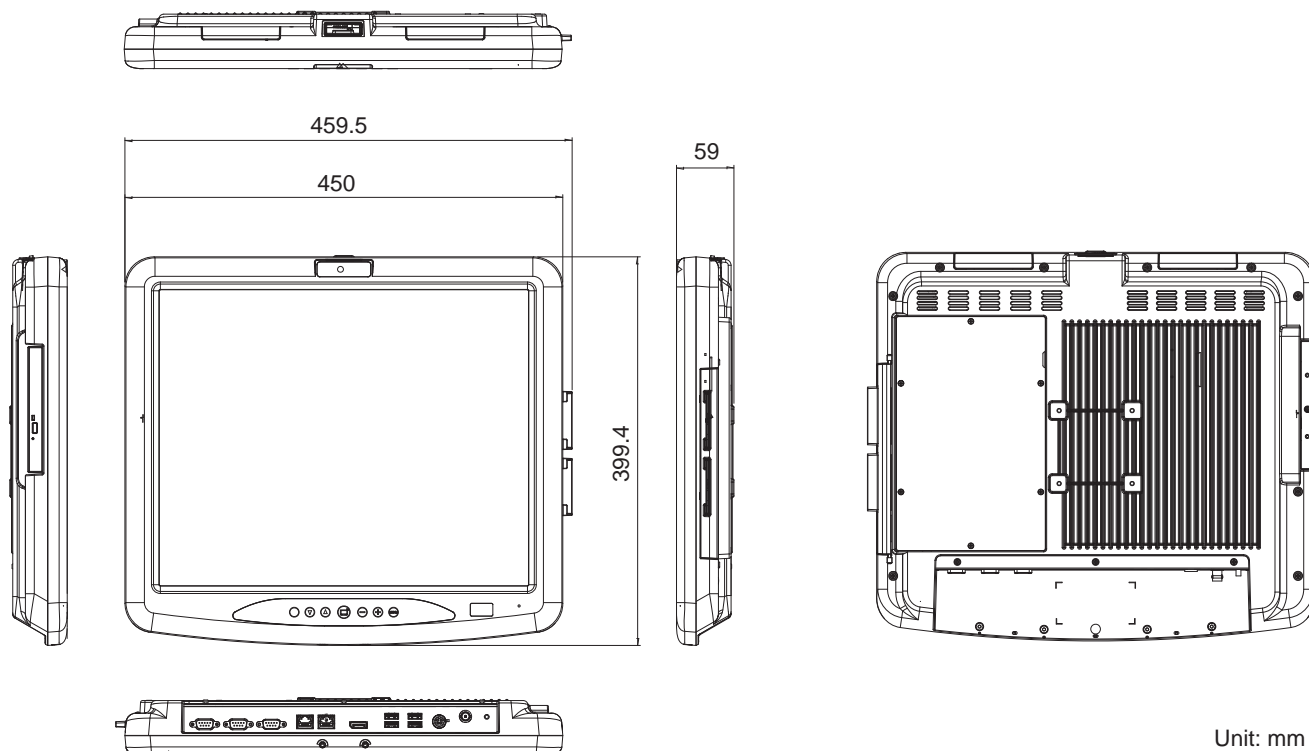
- Fanless Design
- Applicable for Clinical Station, Nursing and PACS
- Soldered Onboard 2nd Generation Intel® Core™ i7-2610UE or Celeron® Processor 827E
- 19 inch LCD with Resistive Touch
- EN60601-1, EN60601-1-2, UL60601-1 Certified
- Streamline Appearance - 59mm in Thickness
- Multi-connectivity (Bluetooth, WLAN and GbE)
- RFID/NFC Reader, 5.0 Megapixel Camera, Dual Smartcard Readers, and Slim DVD-RW
- Optional Alternative of External Battery or PCIe x16 Expansion Box
- Isolated Serial Ports, USB and LAN Ports
- Multi-expansion (3 x RS-232, 4 x USB, 2 x LAN, 1 x Displayport and 1 x SD Card)

System	
CPU	2 nd Generation Intel® Core™ i7-2610UE dual-core 1.5 GHz Intel® Celeron® Processor 827E 1.4 GHz
Graphics Controller	Intel® HD Graphics 3000 (Intel® Core™ i7-2610UE) Intel® HD Graphics (Intel® Celeron® Processor 827E)
Memory	4GB DDR3 SO-DIMM memory module installed
Chipset	Intel® QM67 for i7-2610UE Intel® HM65 for 827E
Storage	32GB mSATA SSD installed 2.5" 320GB SATA HDD (optional) Intel® 80GB SSD (optional)
Peripherals and Devices	
Camera	1 x 5.0 MP CMOS camera with auto-focus (optional)
RFID/NFC	1 x Integrated 13.56MHz RFID/NFC reader with ISO 14443A/14443B/15693 support (optional)
WLAN	Integrated WLAN 802.11 ac/a/b/g/n
Bluetooth	Integrated Bluetooth 4.0 BLE, power class 1
DVD-RW	1 x Slim DVD-RW (optional)
Docking Bay	1 x for the alternative of External Battery or PCIe x16 Expansion box (optional)
SD Card	1 x SD/SDHC slot
Smart Card Reader	Dual Smart Card Reader slots
I/O Interface	
Audio	1 x Integrated microphone, 2 x Integrated 3W speakers 1 x Mic-in, 1 x Line-out
Video output	1 x displayport
Video input	1 x SDI connector (optional)
LAN	2 x RJ45 connectors for GbE LAN with 4KV isolation
Serial Port	2 x RS-232 port with 4KV isolation 1 x RS-232/422/485 with 4KV isolation
USB Port	4 x USB 2.0 ports 1 x Isolated USB (USB2.0 with 12MB/Bits) (on the top)
Button & Indicator	
Button	1 x Power on/off button 1 x Menu button 1 x Touch and LCD on/off button 1 x Brightness up button 1 x Brightness down button 1 x Volume up button 1 x Volume down button 1 x Programmable button

LCD Display	
Size/Type	19" TFT Active Matrix Panel
Max. Resolution	1280 x 1024 (SXGA) with 16.7M colors
Luminance	350 cd/m ² (typ.)
Contrast Ratio	1000:1 (typ.)
View Angle (U/D/R/L)	80°/80°/85° /85°
Backlight Type	LED
Touch Screen	
Type	Analog Resistive Touch
Light Transparency	80% (typ.)
Controller Interface	USB interface
Power Requirement	
Adapter Input	100 ~ 240 VAC (Full Range)
Adapter Output	DC 18V, 5A, 90W with medical certificate
Mechanical & Environmental	
Operating Temp.	0 ~ 40°C (32 ~ 104°F)
Storage Temp.	-20 ~ 60°C (-4 ~ 140°F)
Operating Humidity	10 ~ 95% @ 40°C (non-condensing)
Dimensions (W x D x H)	399.4 x 459.5 x 59 mm (15.72" x 18.09" x 2.32")
Net Weight	7.5 kg (16.53 lb)
Regulatory	CE, FCC Class B EN60601-1 (3rd Edition), EN60601-1-2, UL60601-1 certified
Vibration	5 ~ 500Hz, 1G random operation (SSD only)
Shock	10G peak (11m/sec)
Operational Altitude	below 2000m
OS Support	
Windows 8 Embedded / Windows 8 Professional Windows Embedded 7 / Windows 7 Professional Windows XP Embedded / Windows XP Professional Ubuntu and Fedora Linux compliant	
Ordering Information	
M1920-2610UE	19" Fanless Intel® Core™ i7-2610UE Medical Station with WiFi and Bluetooth
M1920-827E	19" Fanless Intel® Celeron® 827E Medical Station with WiFi and Bluetooth



Dimensions



Standard Accessories









Power Adapter 90W medical-grade AC/DC adapter kit



Optional Accessories

ARM Kits See pages [029](#) - [030](#).

Optional Configuration (CTOS* Kit) (Not Sold Separately)

RFID/NFC-1920	RFID/NFC module kit	
RFID-1920	RFID module kit	
CAM-1920	5.0MP CMOS camera module kit	
DVDRW-1920	Slim DVD-RW drive module kit	
HDD-1920	2.5-inch 320GB HDD kit	
80GB SSD	Intel® 2.5" 80GB SATAIII SSD kit	
eBAT-1920	9-cell external battery kit	
eEXP-1920	PCIe x16 expansion module kit	

*CTOS means Configure-to-Order Service.