

M1920

19" Fanless Intel® Medical Station



Features

- Fanless Design
- Applicable for Clinical Station, Nursing and PACS
- Soldered Onboard Intel® Core™ i7-2610UE or Celeron® 827E Processor
- 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 Reader, 5.0 Megapixel Camera, Dual Smartcard Readers, RF Keyboard 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)
- Intel® SSD Compatible

System

CPU	Intel® Core™ i7-2610UE 1.5 GHz processor Intel® Celeron® 827E 1.4 GHz processor
Graphics Controller	Intel® HD Graphics 3000
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® 40GB SSD (optional)

Peripherals and Devices

Camera	Integrated 5.0 megapixel CMOS camera with auto-focus (optional)
RFID	13.56MHz RFID reader with ISO 14443A/14443B/15693 support (optional)
Wi-Fi	Integrated Intel® Centrino® Advanced-N 6205 802.11 a/b/g/n
Bluetooth	Integrated Bluetooth 2.1 + EDR
RF Keyboard	Integrated RF Keyboard (optional)
DVD-RW	Integrated Slim DVD-RW (optional)
Docking Bay	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 USB 2.0 port with 4KV isolation (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
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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, EN60601-1-2, UL60601-1 certified
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IP Rating	IP-65 (front) and IP-42 in others
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 7 Embedded / Windows 7 Professional
Windows XP Embedded / Windows XP Professional
Ubuntu and Fedora Linux compliant

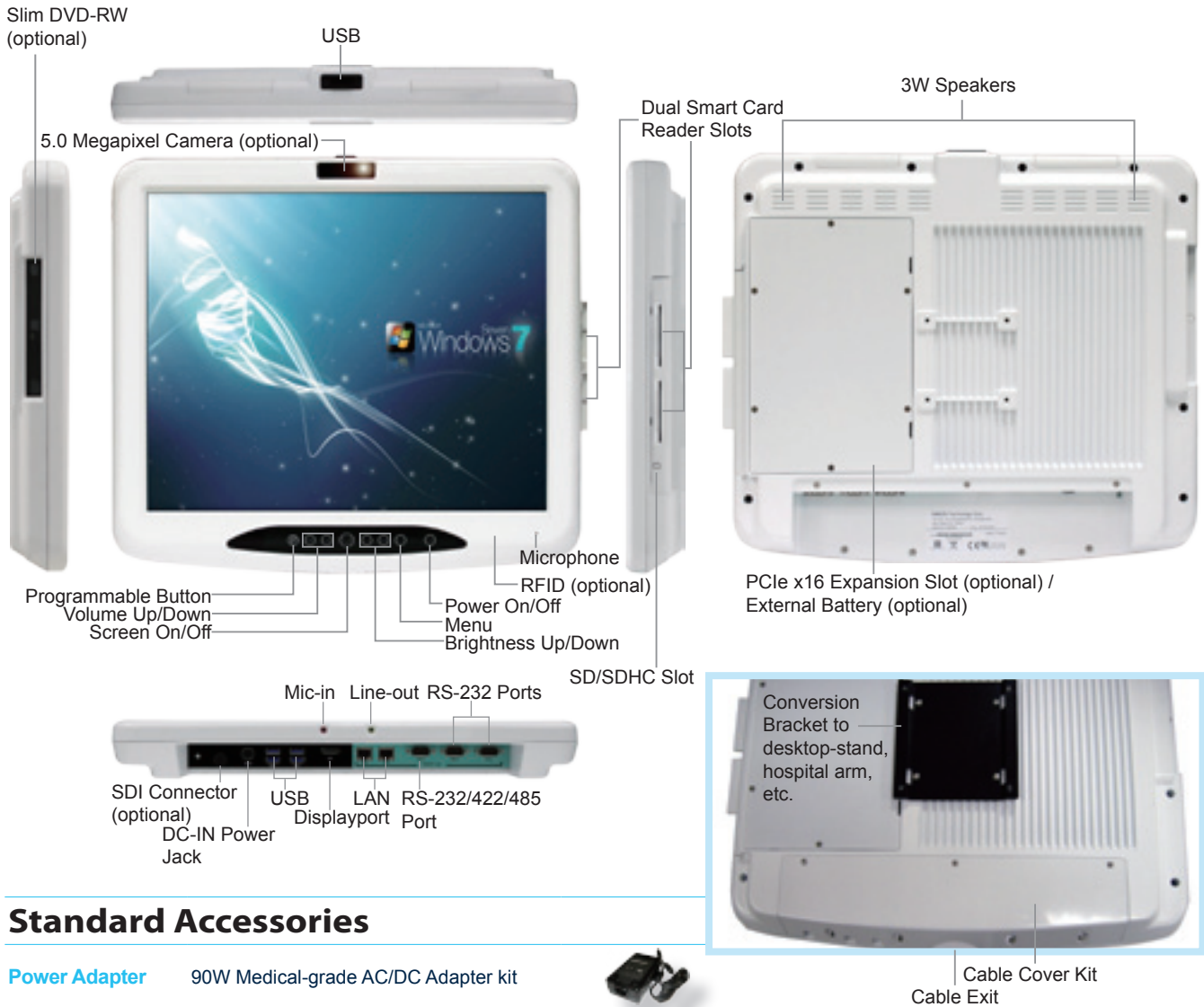
Ordering Information

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

All specifications are subject to change without notice.

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Standard Accessories

Power Adapter 90W Medical-grade AC/DC Adapter kit



Optional Accessories

ARM Kits See pages 28 and 29.

Optional Configuration (CTOS* Kit)

RFKB-1858 RF Keyboard remoter and module



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



SSD-25040 Intel® 2.5" 40GB SATAII SSD kit



eBAT-1920 9-cell External Battery kit



eEXP-1920 PCIe x16 Expansion module kit



*CTOS means *Configure-to-Order Service*.

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