

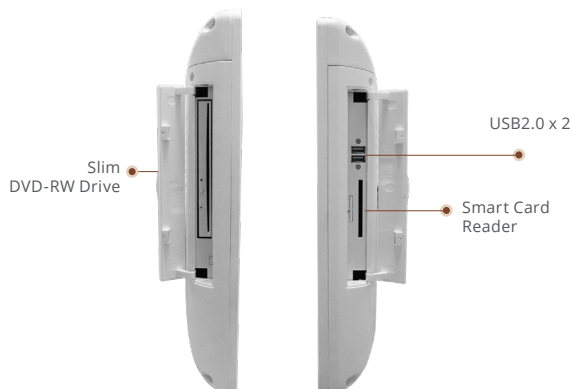
Powerful Medical All in One PC

MATE-2204

22" Fanless AMD Ryzen Embedded V1000 Powerful Medical All in One PC

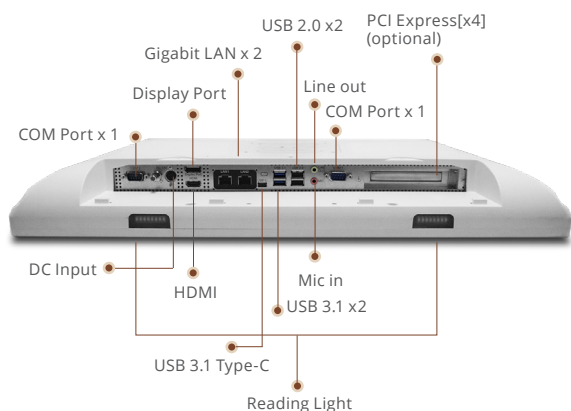


Reading Light
Power on / off
LCD Brightness
Touch Screen on/off



USB2.0 x 2

Smart Card Reader



COM Port x 1
Gigabit LAN x 2
Display Port
Line out
COM Port x 1
DC Input
HDMI
Mic in
USB 3.1 x 2
USB 3.1 Type-C
Reading Light
USB 2.0 x 2
PCI Express[x4] (optional)

Features

- AMD Ryzen Embedded V1605B Quad Core Processor
- AMD Vega GPU with 8 Compute Units
- Supports Dual Channel ECC/Non-ECC DDR4 2400 SODIMM up to 32GB
- 22" FHD High Contrast MVA LCD
- Capacitive Multi-Touch Screen/5-Wire Resistive Touch Screen
- Supports Three Display Outputs: HDMI 2.0 + DisplayPort 1.4 + USB 3.1 Type-C
- 2 x Gigabit Ethernet
- 3 x High Speed USB 3.1 Ports ,
- 2 x RS-232
- 1 x PCI Express[x4] Slot (optional)
- +12V DC Input

Specifications

Main Specifications

Processor	AMD Ryzen Embedded V1605B Quad Core Processor
System Memory	Dual Channel ECC/Non-ECC DDR4 2400 SODIMM up to 32GB
Graphics	AMD Vega GPU with 8 Compute Units
OS Support	Windows® 10, Linux®
Storage Disk Drive	2.5" SATA SSD/HDD x1, M.2 2280/2242 SATA SSD x1, Slim DVD-RW Drive x1(optional)
Security	fTPM2.0, RFID Reader(optional), Smart Card Reader(optional)
Wireless Communication	802.11ac/a/b/g/n(optional), Bluetooth 4.1/4.2/5.0(optional)
Speaker	5W x 2
Function Key	LCD Brightness Up/Down, Touch Screen On/Off, Reading Light On/Off
Power Requirement	DC 12V

Display

Size / Type	22" MVA LCD
Max. Resolution	1920 x 1080
Luminance(cd/m2)(TYP)	250 nits
Viewing Angle	178° (H)/178° (V)
Contrast Ratio	3000:1
Back Light Life Time	30,000 Hours
Touch Screen	5-Wire Resistive / Capacitive Multi-Touch

I/O

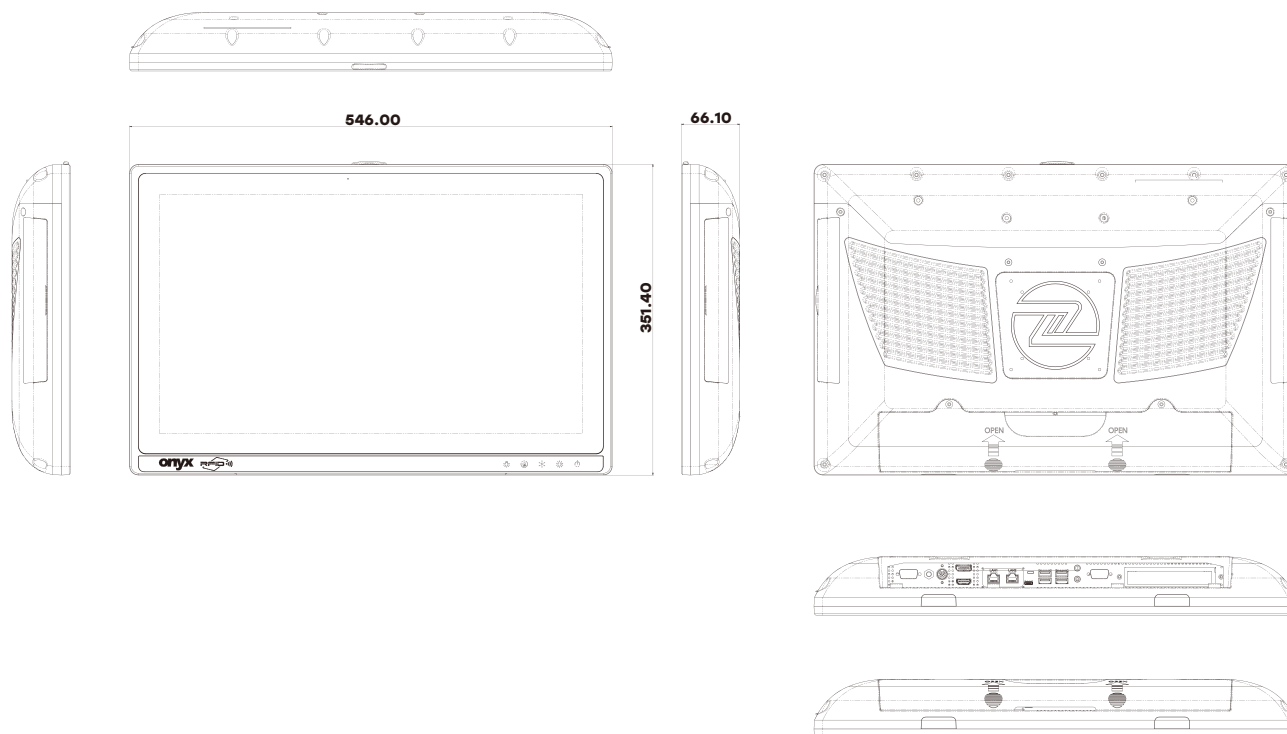
USB	USB 3.1 Type-A x2, USB 3.1 Type-C x1, USB 2.0 x2
Serial Port	RS-232 x2
Ethernet	1.5KV Isolated Gigabit LAN x2
Video Out	HDMI 2.0 x1, DisplayPort 1.4 x1, USB 3.1 Type-C x1 (Supports resolution up to 3840x2160)
Audio	Line-out, Mic

Mechanical and Environmental

Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Mounting VESA	75/100 mm
Degree of Protection	IP65 in the front ; IP54 in the back
Dimension	546 x 352 x 66mm
Package Size	750 x 220 x 490 mm
Gross Weight	12 kg (26.45 lb)
Net Weight	8 kg (17.63 lb)
Certifications	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013(V3.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)

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Dimension / Unit: mm



Ordering Information

- » MATE-2204-P1-A1-0010
Medical Panel PC, 22" LCD, V1605B, DC 12V, Capacitive Touch
- » MATE-2204-R1-A1-0010
Medical Panel PC, 22" LCD, V1605B, DC 12V, Resistive Touch

Optional Accessories

- » 1255301205
Medical Power Adapter, 120W, 12V
- » OPM-R03X-A1
PCI Express [x1] Riser Kit
- » OPM-R04X-A1
PCI Express [x4] Riser Kit
- » OPM-C12W-A6
WLAN Kit, IEEE 802.11a/b/g/n/ac + Bluetooth 4.1
- » OPM-C15W-A6
WLAN Kit, IEEE 802.11a/b/g/n/ac + Bluetooth 5
- » OPM-T006-A3
Smart Card Reader Kit
- » OPM-T013-A1
Slim Slot-in DVD-RW Drive
- » OPM-C02C-A1
Two Isolated RS-232 & One Isolated USB 2.0 PCIe Card
- » OPM-C02C-A2
Two Isolated RS-232 PCIe Card
- » OPM-C03C-A1
One Isolated Gigabit LAN & One Isolated RS-232 & One Isolated USB 2.0 PCIe Card
- » OPM-T017-A2
Hot Swap Rack w/Lock Kit for 2.5" HDD/SSD
- » OPM-S07R-A3
RFID Reader Kit