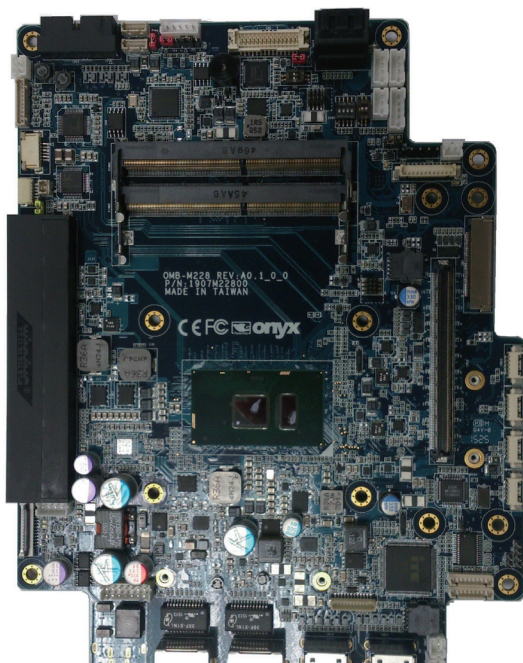


OMB-M228

Medical Grade CPU Board with Intel 6th Generation Skylake-U Core i Series Processor



Features

- Intel® 6th Generation 14nm Skylake-U Core i7-6600U 3.4GHz Dual Core Processor
- Supports DDR4 SODIMM x2, up to 16GB memory
- High speed USB 3.1 x2, USB 3.0 x4
- PCI Express[x4] x1, PCI Express[x1] or PCI x1, M.2 slot x1, Half Size Mini Card slot x1
- Two PCI Express expansion slots with horizontal plug-in design
- Onboard Display Port supports 4Kx2K UHD high resolution LCD
- +12~+24V Wide Range DC Input
- Low profile form factor and ultra low power for All-In-One terminal and 1U chassis
- Medical grade UL/EN-60601 compliance
- 7 year life time guarantee until year 2022



Specifications

System

Processor	Intel Skylake-U Core i7-6600U 3.4GHz Dual Core (TDP:15W)
System Memory	204-pin DDR4 SODIMM x 2 up to 16GB
Embedded Controller	ITE IT8528
Ethernet	Intel® I219 Gigabit x2
Audio Codec	Realtek ALC892 HD Audio Codec
Expansion Interface	Half Size Mini Card slot x1, M.2 slot(2230/2280) x1, PCIe[x4] (PCIe[x16] slot) x1, PCIe[x1] (PCIe[x16] slot) or PCI x 1
Trusted Platform Module	TPM 1.2, Infineon SLB 9660
Power Requirement	+12V to +24V DC
Board Size	160mm x 209mm
Operating Temperature	0°C ~60°C

Display

Video Out	LVDS x1(supports up to 1920x1200 resolution), Display Port x1(supports up to 3840x2160 resolution)
Graphics Engine	Intel HD Graphics

Rear I/O

USB	USB 3.0 x 4
Ethernet	Isolated Gigabit Ethernet with RJ-45 x2
Power Input	Screw Lock DC Jack

Internal I/O

USB	USB 3.1 x2, USB 2.0 x6
COM	RS-232 x2
Display	24-bit dual channel LVDS x1, Display Port x1
Audio	Mic x1, Line-out x1
Serial ATA	SATA 6.0Gb/s x2
Touch Screen	Supports 5-wire resistive touch screen
Speaker Connector	5W output x2