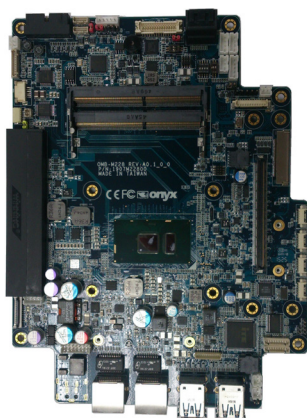Motherboard

OMB-M228

Mini-ITX Motherboard with Intel® 7th Generation Kabylake-U Processor

Features

- Intel® 7th Generation Kabylake-U Core i Series 14nm Processor
- Supports DDR4 SODIMM x2, up to 16GB
- Supports 4K x 2K High Resolution Display
- High speed USB 3.1 x2, USB 3.0 x4
- PCI Express[x4] x1, PCI Express[x1] , PCI x1, M.2 slot x1, Half Size Mini Card slot x1
- +12 to +24V Wide Range DC Input
- Low profile form factor for all-in-one terminal and 1U chassis.
- Medical grade UL/EN-60601 pre-certified with low EMI radiation

Specifications

SYSTEM

Processor	Intel® 7th Generation Core i Series 14nm Processor
System Memory	DDR4 SoDIMM x2, Max. 32GB
Graphics	Intel® HD Graphics
Embedded Controller	ITE IT8528
Ethernet	Intel® Jacksonvile Gigabit(with iAMT) x1, Intel® i219 Gigabit 1 x1
Expansion Interface	PCIe[x4] x1, PCIe[x1] or PCI x1, Half Size Mini Card x1, M.2 x1
Trusted Platform Module	TPM 2.0
BIOS	AMI
OS Support	Windows 7 32/6-bit, Windows 10 32/64-bit, Linux
Power Requirement	+12V to +24V DC
Board Size	160mm x 209mm
Operating Temperature	0°C ~60°C

DISPLAY

Video Out	LVDS x1, Display Port x2
LVDS	Up to 1920 x 1200 resolution, 18/24-bit dual channel
Display Port	Up to 3840 x 2160 resolution

I/O

Storage	SATA 6.0Gb/s x2
USB	USB 3.1 x2, USB 3.0 x4, USB 2.0 x6
Audio	Line-out , Mic
Touch Screen	Supports 5-wire resistive touch screen
LAN	Gigabit Ethernet
Speaker	5W x2
Power Input	Screw Lock DC Jack

Order information

- OMB-M228-A05-0003
  Main Board.i7-7600U.DDR4.2LAN.12~24V.Rev.A0.5
- OMB-M228-A05-0004
  Main Board.i5-7300U.DDR4.2LAN.12~24V.Rev.A0.5

※ All product specifications are subject to change without notice