

SD-OMEGA SD-837-P2

Intel Fanless Industrial onboard Computer



Features

- Support Intel Skylake-U i5 6360U processor
- 1 x HDMI, 1 x VGA
- 2 x Intel WGI211AT. Support WOL, PXE
- 1 x 12PIN Phoenix terminal, 4IN4OUT Isolated GPIO, PWR ON, 5V
- 6 x RS232 (COM3~6 support RS485/232), 4 x USB3.0, 4 x USB2.0
- DC 9~36V power input

System

CPU	Intel Dual Core Skylake-U i5 6360U/2.0Ghz CPU, TDP 15W
Memory	2*DDR4 2133Mhz SODIMM, max. 32GB
LAN Chipset	Built-in 2*Intel WGI211AT GbE LAN controller Support Wake on LAN and PXE
Graphics	Intel Iris Graphics 540, support DirectX 12, OpenGL 4.5
Audio	Built-in ALC662 6 channel Audio controller
Watchdog	Watchdog Timer support. Offer 0~255 step

I/O on Front Panel

USB port	4 x USB 2.0 Ports
Power button	1 x PWR button, 1 x Reset button
AC LOSS	1 x AC LOSS (Auto-ON button)
Phoenix Terminal	1 x 12pin, 4IN 4OUT GPIO, PWR ON, 5V
PS2	1 x PS2
Expansion	1 x SIM slot
LED	1 x HDD LED, 1 x PWR LED

I/O on Rear Panel

LAN	2x RJ45 GbE LAN
Video output	1 x VGA, 1 x HDMI 1.4
DC input	1 x DC input, 1 x 3pin power input support 9~36V DC input
Audio	1 x Line out, 1 x MIC
COM	6 x DB9 RS232 (COM3~6 support RS485/232, with isolation)
USB port	4 x USB 3.0

Power Management

Power Input	9 ~ 36V DC input
Power type	External power adapter
Power output	AC to DC, 36W/180W optional

Expansion Slot

Mini PCIe	1 x Mini PCIe, support WiFi/4G module
PCI	2 x PCI slot

Storage

Type	1 x 2.5" HDD/SSD bay, 1 x MSATA SSD
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Environmental & Mechanical

Operating temp.	-10°C ~ 60°C
Storage temp.	-20°C ~ 70°C
Relative humidity	5% ~95% (non-condensing)
Vibration (random)	0.5g rms @ 5~500Hz random/ operating
Construction	Aluminum alloy
Mounting	Supports both of desktop mount and wall-mount
Dimensions	235*192*119mm

Front & Rear Picture



All specifications are subject to change without notice.

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