

SD-OMEGA SD-838-S6

Intel Fanless Industrial onboard Computer



Features

- Support LGA1151 6th/7th/8th/9th Core i3/i5/i7/i9 processor
- Support triple independent display, 2 x HDMI, 1 x VGA
- 3 x Intel WGI211AT. Support WOL, PXE
- 1 x 12PIN Phoenix terminal, 4IN4OUT Isolated GPIO, PWR ON, 5V
- 6 x RS232 (COM3~6 support RS232/RS485), 8 x USB3.0, 4 x USB2.0
- 9V~36V power input

System

CPU	Support LGA1151 6/7/8/9th Core i3/i5/i7/i9 processor
Memory	2*DDR4 2400/2133MHz SODIMM, max. 32GB
LAN Chipset	Built-in 3*Intel WGI211AT GbE LAN controller Support Wake on LAN and PXE
Graphics	Intel HD Graphics, support DirectX12, OpenGL 4.5, support 4K
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, 4 x USB3.0
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
COM	1x DB9 COM ports, support RS232/485 with isolation
LED	1 x PRW LED, 1 x HDD LED
Expansion	1 x SIM slot

I/O on Rear Panel

LAN Chipset	3x RJ45 GbE LAN
Video output	1 x VGA, 2 x HDMI1.4
DC input	1 x 4pin DC input, support 9V~36V power input
Audio	1 x Line out, 1 x MIC
COM	5 x DB9 RS232 (COM3~5 support RS232/485 with isolation)
USB port	4 x USB 3.0

Power Management

Power Input	9V ~ 36V
Power type	External power adapter
Power output	36W ~ 180W

Expansion Slot

Mini PCIe	1 x Mini PCIe, support WiFi/4G module
M.2	1 x M.2, support M.2 2230 WiFi module

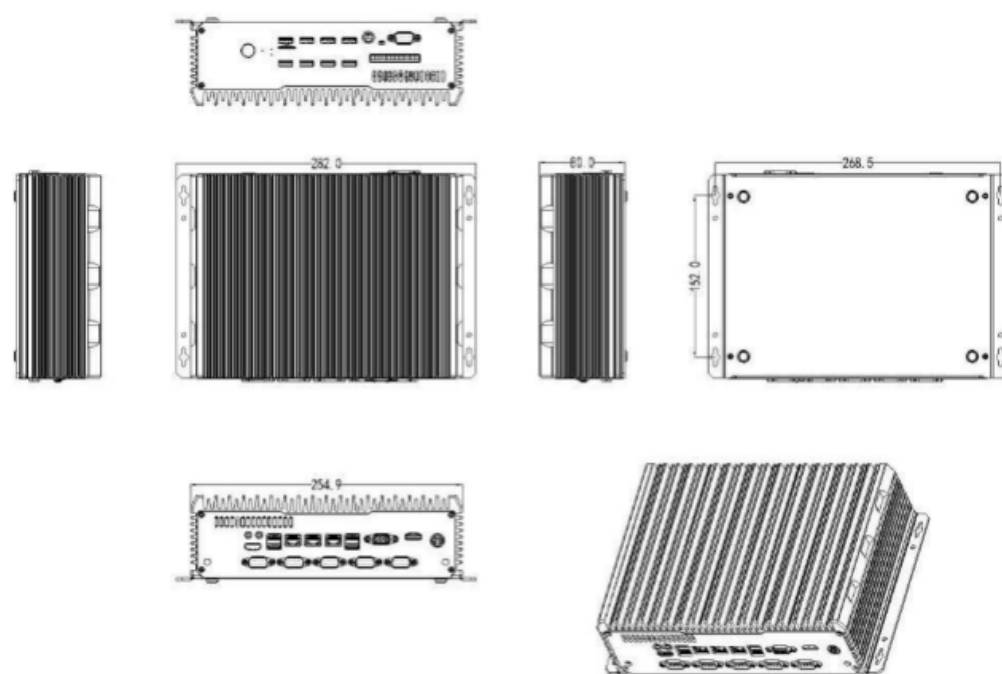
Storage

SATA/mSATA	1 x 2.5" HDD/SSD bay, 1 x MSATA SSD
M.2	1 x M.2, support M.2 2280 PCIE x 4/SATA SSD

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 embedded
Dimensions	282*192*80mm

Dimension



All specifications are subject to change without notice.

www.sd-omega.com

