

MPC-101-J1900-SE

**Compact Rugged Fanless System
with Celeron® J1900**



FEATURES

- Celeron J1900
- 1x 204-pin DDR3L SO-DIMM, 8GB
- Dual independent display supported by 1x DVI-I
- 2x Intel® GbE supporting Wake-on-LAN and PXE
- 1x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for expansion
- 2x SIM sockets
- 2x RS-232/422/485, 1x USB 3.0, 3x USB 2.0
- 9 ~ 48VDC wide range input supporting AT/ATX mode
- -25°C to 70°C extended operating temperature



SPECIFICATIONS

System	
Processor	Intel Celeron J1900, Quad Core, 2MB Cache, 2.0 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1 & GbE2: Intel® I210-AT (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1066/1333MHz SO-DIMM, up to 8 GB
BIOS	AMI 64Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset
Display	
VGA	Yes (by optional split cable)
DVI	1x DVI-I
Multiple Display	DVI-D and VGA Dual Display (by optional split cable)
Storage	
mSATA	1x mSATA (shared by 1x Mini PCIe)
SIM Socket	2x External SIM socket
Expansion	
Mini PCI Express	2x Full-size Mini PCIe
I/O	
COM	2x RS-232/422/485
USB	1x USB 3.0, 3x USB 2.0
LAN	2x GbE RJ45
Audio	1x Mic-in, 1x Line-out
Others	3x WiFi Antenna Holes 1x Power Switch 1x AT/ATX Slide Switch 1x Remote Power On/Off Connector

Operating System

Windows Windows 10, Windows 8.1, WES8.1, Windows 7, WES7

Linux Linux kernel 3.X

Power

Power Mode AT, ATX

Power Supply Voltage 9~48VDC

Power Connector 3-pin Terminal Block

Power Adapter Optional AC/DC 12V/5A, 60W

Power Protection OVP (Over Voltage Protection)
OCP (Over Current Protection)
Reverse Protection

Environment

Operating Temp. -25 °C to 70 °C (-13 °F to 158 °F)

Storage Temp. -30 °C to 85 °C (-22 °F to 185 °F)

Relative Humidity 10% to 95% (non-condensing)

Vibration With SSD: 5 Grms, 5 - 500 Hz, 0.5 hr/axis
With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis

Shock With SSD: 50 G, half sine, 11 ms

Certification CE, FCC Class A

Physical

Construction Extruded Aluminum with Heavy Duty Metal

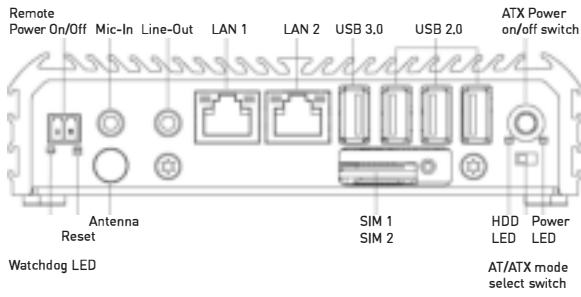
Dimension 150 x 105 x 37 mm
(W x D x H) 5.91" x 4.13" x 1.46"

Weight 0.69 kg / 1.52 lb

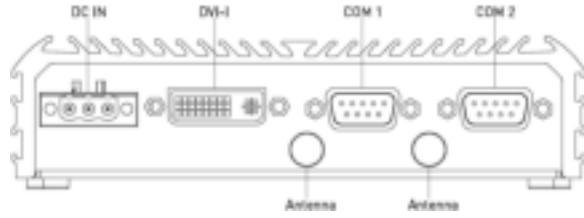
Mounting Wall Mounting
Side / VESA / DIN-Rail Mounting (Optional)

Packing List 1x MPC-101 Fanless System
1x Wall Mount Kit
1x Accessory Kit
1x DVI to VGA Adapter

I/O LAYOUT



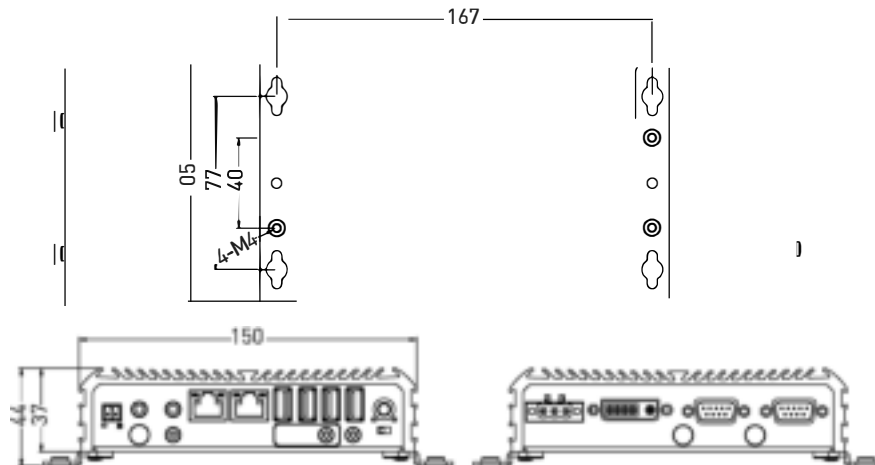
Front Panel



Rear Panel

DIMENSION

Unit: mm



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