

FMPC-J-8G128G Datasheet

Document Version: 01

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1 Product Overview

1.1 Product introduction

Fanless series industrial computer mainframe

- Intel® Celeron® J1900 2.0Ghz Quad-Core Quad-Threading
- 4GB DDR3L high-speed memory, supports up to 8G; SSD solid state disk
- Dual Realtek 10M/100M/1000M Adaptive Gigabit Network Chip 6 serial ports (supports up to 2*RS485), 1*USB3.0, 3*USB2.0, 1*HDMI, 1*VGA
- Mounting: Support 75mm*75mm VESA mounting, top shelf mounting and wall mounting.

1.2 Product Appearance

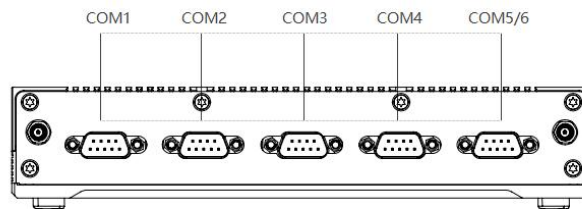
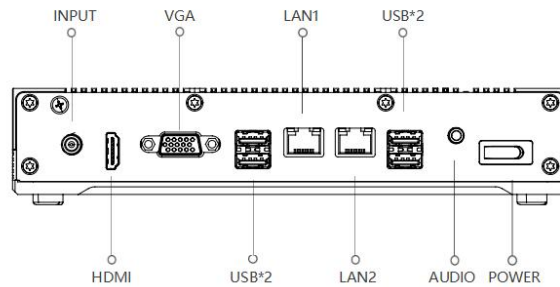


2 Specifications

System parameter	CPU	Intel®Celeron™ J1900
	Frequency	Quad-Core Quad-Threading / 2.0GHz
	RAM	Supports DDR3 High Speed Memory , 1 * SO-DIMM Slot, supports up to 8GB
	Storage	128GB
I/O Interface	Ethernet	2*Realtek® 1Gbps PCIe Ethernet Controller, RJ-45 Ethernet Interface
	Audio	Realtek® HDA Codec, with MIC/Line-out
	USB Port	1*USB3.0/3*USB2.0
	Serial Port	4*RS-232; 2*RS-232 / RS-485
	Expansion slot	1 * SATA3.0 7+15P Connector/2*Mini-PCle (1*mSATA, 1*Wifi+4G)
	Other interfaces	1*VGA / 1*HDMI/DC-IN
Physical property	Size (W*H*D)	218mm*150mm*46mm
	Cutout Dimensions(W*H)	70mm*70mm
	Weight	1.96kg
Operating system	Operating system	Supports Windows 7, Windows 10, Linux
Power supply	Input Voltage	9-36VDC
	power consumption	15W
Environmental parameters	Operating temperature	0 ~ 50° C (32~122°F) (Using normal temperature rated SSDs)
	Storage temperature	-20 ~ 60° C (-4 ~ 140°F)
	Relative humidity	10~95% RH@40°C,non-condensing
	Vibration at work	SSD applied: 1.5 Grms, 5 ~ 500 Hz, 1 hr/axis
	Shock at work	SSD applied: 10 G, half-sine wave
	EMC	CE/FCC Class B
	waterproofing	IP65 rated front panel

3 Port Description

3.1 Interface



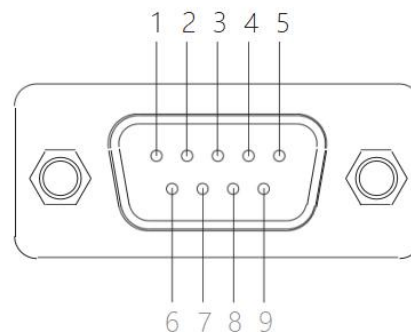
3.2 Pin Definitions

RS232	
PIN	Function
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

RS485	
PIN	Function
1	485_B
2	485_A
3	NC
4	NC
5	GND
6	NC
7	NC
8	NC
9	NC

COM5/COM6	
PIN	Function
1	NC
2	RXD
3	TXD
4	NC
5	GND
6	NC
7	RXD
8	TXD
9	NC

COM PIN definition



4 Dimension

Unit:mm

