

# NewPre200 IoT Gateway



## Compact & Mighty Design

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- Onboard Intel® Celeron® J1900 Quad Core 2.0 GHz processor
- Supports 2 x DDR3L 1066/1333 SO-DIMM socket, up to 8GB
- Compact form factor with fan-less design, operating temperature ranges from -5~55°C
- Dual independent display DP and DVI-I
- Rich I/O Interfaces with 2 x mini-PCIe slots for optional Wi-Fi/3.5G/4G LTE/fieldbus modules
- CE/FCC, LVD, UL60950 ready

## Versatile Expansion Capability

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- 2 x mini-PCIe slots supports the following modules:
  - PROFIBUS
  - PROFINET
  - DeviceNET
  - EtherCAT
  - EtherNet/IP
  - CANopen
  - SERCOS III master
  - LAN
  - Wi-Fi
  - 3.5G/4G LTE
  - mSATA

## Popular OS Supported

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- Supports:
  - Windows 7, 32-bit/64-bit
  - Windows Embedded Standard 7, 32-bit/64-bit
  - Linux Kernel version 3.8.0
  - Winux-RT

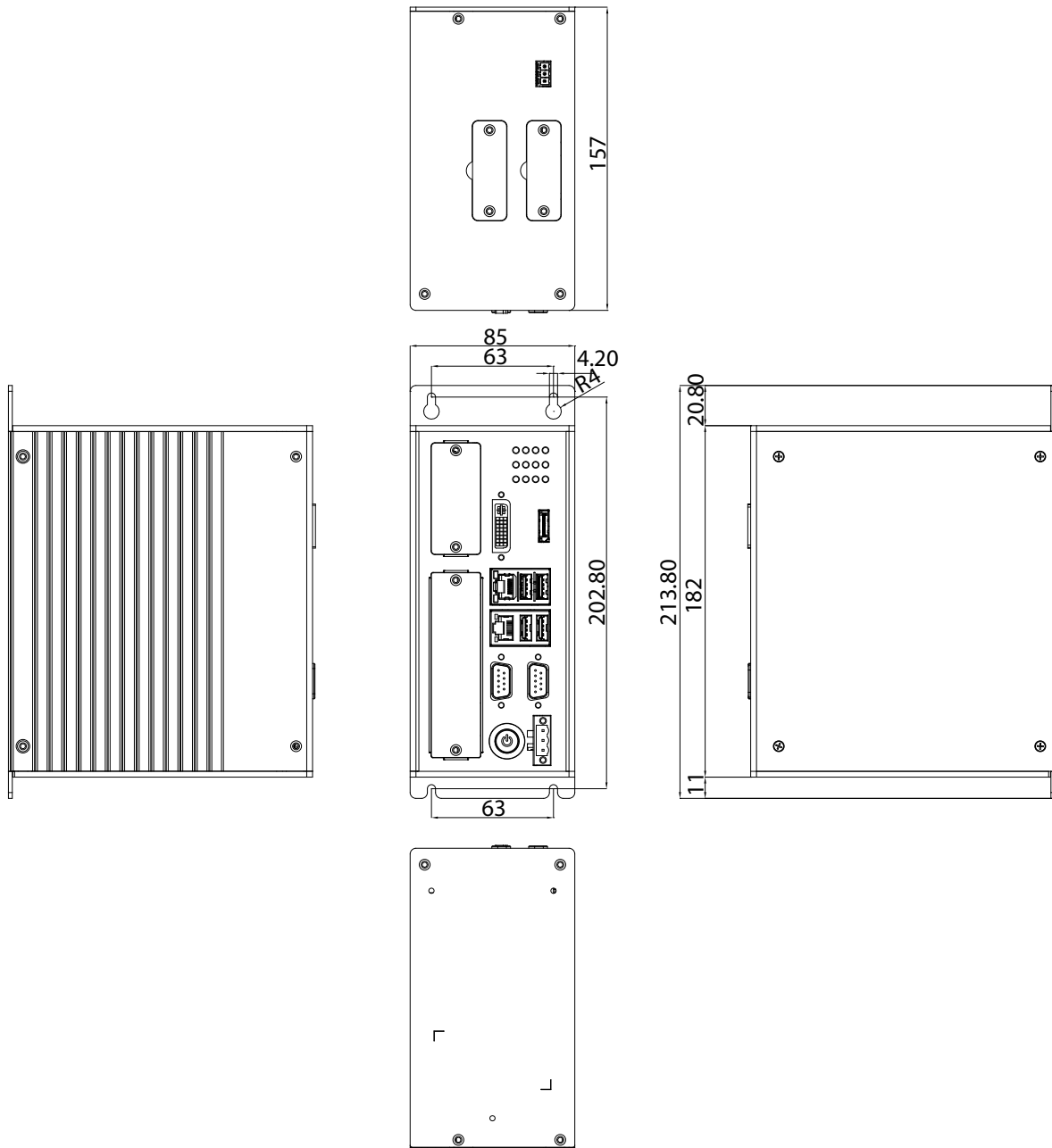
## » Specifications

		<b>NewPre200</b>
<b>Main System</b>	CPU	Onboard Intel® Celeron® J1900 Quad Core 2.0GHz
	Memory	2 x DDR3L 1066/1333 SO-DIMM socket, supports up to 8GB
	Storage	1 x 2.5" SSD/HDD (SATA 2.0) - front accessible 1 x SD card (data storage only) 1 x mSATA
<b>Interface</b>	Display interface	1 x DVI-I, 1 x DP, independent display
	Network interface	2 x Intel® I210-AT GbE LAN ports, support WoL, teaming and PXE
	USB	1 x USB3.0 (900mA each), 3 x USB2.0 (500mA each)
	Serial port	2 x RS232/422/485 support auto flow control
	SIM card	1 x SIM card holder
	Expansion slot	2 mini-PCIe slots for optional Wi-Fi/3.5G/4G LTE/fieldbus modules
<b>Power Supply</b>	Input voltage	Typical 24V DC input with $\pm 20\%$ range, with reverse polarity protection
<b>Mechanical Structure</b>	Enclosure	Aluminum and metal chassis
	Heat dissipation	Natural cooling, fan-less
	Dimensions(mm)	85 x 157 x 214mm (W x D x H)
	Weight	3KG
	Mount	Wall mount
<b>Environment</b>	Operating temperature	-5 ~ 55°C (main machine)
	Storage temperature	-20 ~ 85°C
	Humidity	10 ~ 93% non-condensing
<b>Standard</b>	EMI	EN 61000-6-4:2007+A1:2001 / FCC 47 Part 15 B
	EMC	IEC61000-4-2 (ESD), Air: 8kV; Con tact: 4kV IEC61000-4-3 (RS), 10V/m (80MHz ~ 2.7GHz) IEC61000-4-4 (EFT), AC Power Port: 2kV, DC Power Port: 2kV, Singal Port: 1kV IEC61000-4-5 (Surge), AC Power Port: 1kV/DM, 2kV/CM, DC Power Port: 0.5kV/DM, 0.5kV/CM, Singal Port: 1kV/CM IEC61000-4-6 (CS), Signal ports: 0.15-80MHz at 10V/m, Power ports: 0.15-80MHz at 10V/m
	Mechanical	IEC60068-2-64 (vibration) IEC60068-2-27 (shock) IEC60068-2-32 (Free fall)
<b>Certificate</b>	CE, FCC, LVD, UL60950	

## » Ordering Information

Part Number	Description
<b>NewPre200</b>	NewPre200 Intel Atom® J1900 Quad Core 2.0GHz fan-less system
<b>DDR3L 8GB</b>	DDR3L 1866 SO-DIMM 8GB
<b>SSD 2.5 128GB</b>	SSD 2.5 SATAIII 128G MLC
<b>SSD 2.5 256GB</b>	SSD 2.5 SATAIII 256G MLC
<b>SSD 2.5 512GB</b>	SSD 2.5 SATAIII 512G MLC
<b>Power Adapter &amp; Cord</b>	Power Adapter & Cord for NewPre200

## » Dimensions



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