



FEATURES

- Intel® Atom™ Bay Trail E3845 quad - core processor
- Dual mPCIe and USIM sockets for 3G, LTE, WLAN, BT or GPS modules
- Dual storage with 1x mSATA and 1x SATA
- Intelligent ignition power control
- 1x CAN bus port with compliance to CAN 2.0A and CAN 2.0B
- 8 to 35VDC wide-range DC input
- Operating temperature from -25° to 70°C

ORDERING GUIDE

PCS -8278P	Intel® Atom™ Bay Trail In Vehicle Fanless Computer with 2x IEEE 802.3at PoE+ Ports
Optional WiFi/BT module	WiFi and Bluetooth module (Mini-PC Ie)
Optional GPS module	GPS module (Mini-PC Ie)
Optional	DIN-Rail mounting Kit

GENERAL

- Processor** – Intel® Atom™ Bay Trail E3845 quad -core processor (1.91 GHz, 2M cache)
- Chipset** – SoC
- Memory** – 1x 204-pin SO-DIMM socket, up to 8GB DDR3L 1333MHz SDRAM
- Storage Devices** – 1x internal SATA port for 2.5" HDD/SSD installation
– 1x internal half-sized mSATA (SATA + USB)
- Expansion Interface** – 1x full-sized mini PCI Express (PCIe) socket with USIM socket (PCIe + USB)
– 1x full-sized mini PCIe socket with external USIM socket (USB)

I/O INTERFACE

- Audio** – 1x Mic-in, 1x Speaker-out
- PoE port** – 2x IEEE 802.3at (25.5W) Gigabit Ethernet ports by Intel I210
- USB** – 1x USB 3.0 port and 3x USB 2.0 ports
- Serial Port** – 2x software-programmable RS-232/422/485 (COM1 & COM2)
– 2x RS-232 (COM3 & COM4)
- CAN Bus** – 1x DB-9 connector for CAN Bus communications
- Other** – SIM card socket

DISPLAY

- Graphics Controller** – Integrated Intel® HD Graphics
- Display Interface** – 1x DB-15 connector for analog RGB, supporting 2560 x 1600 resolution
– 1x DVI-I connector with DVI-D output, supporting 2560 x 1600 resolution

Mechanical & Environment

- Dimension** – 205 mm (W) x 146 mm (D) x 44 mm (H)
- Weight** – 1.9 kg (including one 2.5" HDD and DDR3 SO-DIMM)
- Mounting** – Wall-mounting (standard) or DIN-Rail mounting (optional)
- Power Supply** – 1x 3-pin pluggable terminal block for ignition signal and DC input
– 8~35V DC input
- Environment** – Operating Temperature: -25°C ~ 70°C with SSD, 100% CPU loading
– Operating Temperature -10°C ~ 50°C with HDD, 100% CPU loading
– Storage Temperature: -40°C ~ 85°C
– Relative Humidity: 10%~90% , non-condensing
– Vibration: Operating, 5 Grms, 5-500 Hz, 3 Axes (w/ SSD, according to IEC60068-2-64)
– Shock: Operating, 50 Grms, Half-sine 11 ms Duration (w/ SSD, according to IEC60068-2-27)
– EMC: CE/FCC Class A, according to EN 55022 & EN 55024

