

# ERC-1004B *Fanless Embedded PC for AFC System*

## Brief Introduction

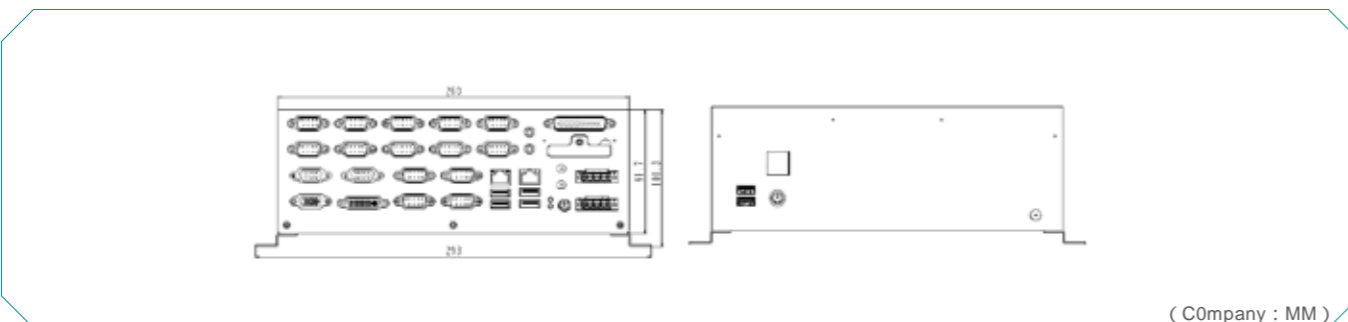
ERC-1004B is a fanless, low power consumption IPC which adopt Intel® Celeron® J1900 CPU and support Win7, Linux OS. ERC-1004B is made by galvanized sheet and aluminum chassis. Fanless and compact with modular design, it features with good EMC, dust-proof, heat dissipating, vibration resistance performace rich I/O and expansion. ERC-1004B is widely used in AFC system as equipment control unit in public transportation, such as automatic gate machine, automatic vending machine and semi-automatic vending machine.



## Features

- Based on Intel® BayTrail and Intel® Celeron® J1900
- Fanless and all-sealed design
- Onboard 2G/4G/8G RAM
- Support 512KB NVRAM
- Board to board connector, reliable design
- SATA, mSATA and CFast optional
- Up to 14 x COM/6 x USB/3 x LAN/4 x display/32ch GPIO
- Optional DC 9 ~ 36V

## Product size chart



## Specifications

Items		Specification
System	CPU	Intel® Celeron® J1900 2.0GHz 4cores
	Chipset	Intel® BayTrail
Memory		Onboard 2G/4G/8G DDR3L
Storage	SATA	1 x SATA or 1 x mSATA
	ODD	1 x CFast slot
Display		Provide up to 4 display connector VGA1, VGA2, VGA3, LVDS
LAN		Up to 3 x 10/100/1000Mbps RJ45, LAN1 support Wake-On-Lan
Audio		Mic-in/Line-out
Expansion		1 x Mini PCIE with SIM card slot 1 x PCI optional
I/O	GPIO	32ch GPIO by DB44
	COM	Up to 14 x COM, COM1 ~ COM4 support RS232/422/485
	USB	1 x USB 3.0, 5 x USB 2.0
Power Supply		DC 12V or DC 9 ~36V
Mechanical	Dimensions (W x H x D)	260 x 91.7 x 165 mm
	Weight	2.3kg
	Installation	Rack mount
Environment		Operation Temperature: -20 ~ 70°C (industrial SSD/CFast) Storage Temperature: -40 ~ 80°C Humidity: 40°C, 95%RH
Reliability		MTBF ≥ 50,000h MTTR ≤ 0.5h
Safety		Meet GB4943
OS Support		Windows 7, Linux

## Ordering Information

P/N	Model	Description
0010-113031	ERC-1004B-4G	Intel® J1900/4G RAM/64GB SSD/16GB CFast/512KB NVRAM/2 x LAN/6 x USB/14 x COM/1 x VGA/1 x LVDS/Audio/PS2/1 x Mini PCIE/DC 12V