premio

FANLESS MINI COMPUTER

BCO-1000-J1900-10B

Fanless Mini Computer with Intel® Celeron® J1900 Processor, 1x DVI-I, 4xCOM, 1x 2.5" SATA HDD Bay

Features

- Intel® Celeron® processor J1900, up to 2.0GHz
- 1x 204-pin DDR3L SODIMM. max up to 8GB
- Dual independent display supported by 1x DVI-I
- 2x Intel® GbE supporting Wake-on-LAN and PXE
- 1x 2.5" SATA HDD bay, 1x mSATA
- 2x full-size mini PCIe for communication or expansion modules,1x SIM socket
- 4x RS-232/422/485, 1x USB 3.0, 3x USB 2.0
- 9 to 30VDC wide range power input supporting AT/ATX mode
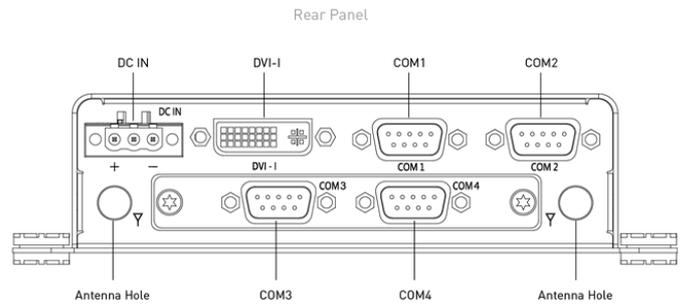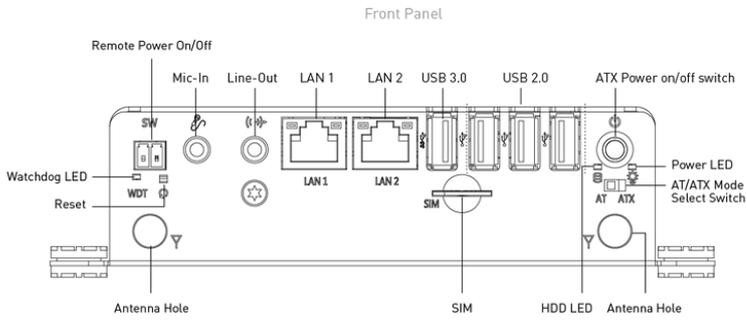- -20°C to 50°C extended operating temperature

Specifications

System

Processor	
Intel® Celeron® Processor J1900, Quad Core, 2MB Cache, 2.0 GHz	
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT
	(Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1066/1333MHz SODIMM.
	Max up to 8GB
BIOS	AMI 64Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 Sec. System Reset
TPM	TPM 2.0

Display

DVI	1x DVI-I
Multiple Display	Dual Display
VGA	Yes (by optional split cable)

Storage

mSATA	1x mSATA (shared by 1x Mini PCIe)
SIM Socket	1x External SIM socket
SSD/HDD	1x Internal 2.5" SATA HDD Bay

Expansion

Mini PCIe	1x Full-size Mini PCIe Socket with USIM Socket (PCIe + USB + SATA)
	1x Full-size Mini PCIe Socket (PCIe + USB)

I/O

Audio	1x Mic-in, 1x Line-out
COM	2x RS-232/422/485
	2x RS-232/422/485 (module)
LAN	2x RJ45
USB	1x USB 3.0, 3x USB 2.0
Others	4x WiFi Antenna Holes
	1x Power Switch,
	1x AT/ATX Switch

Operating System

Windows	Windows 10, Windows 7, WES7
Linux	Linux kernel 3.X

Power

Power Adapter	Optional AC/DC 12V/5A, 60W
Power Mode	AT, ATX
Power Supply Voltage	9~30 VDC
Power Connector	3-pin Terminal Block
Power Protection	Over Voltage Protection (OVP)

Environment

Operating Temperature	-20 °C ~ 50 °C
Storage Temperature	-30 °C ~ 70 °C
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: 50G, half sine, 11ms

Physical

Dimensions	142 (W) x 101 (D) x 41.5 (H) mm
Weights	0.62kg
Construction	Fanless Design
Mounting Options	Wall Mounting

* All specifications and photos are subject to change without notice.

External I/O Mechanical Layout

Front Panel

Remote Power On/Off
Mic-In
Line-Out
LAN 1
LAN 2
USB 3.0
USB 2.0
ATX Power on/off switch

SW

Watchdog LED
Reset
WDT

Power LED
AT/ATX Mode Select Switch
AT ATX

Antenna Hole
SIM
HDD LED
Antenna Hole

Rear Panel

DC IN
DVI-I
COM1
COM2

DC IN
+ −
DVI-I
COM 1
COM 2

COM3
COM4

Antenna Hole
COM3
COM4
Antenna Hole

Dimension

Unit: mm

173
158
101.2
70
4.5
142
44.5
41.5
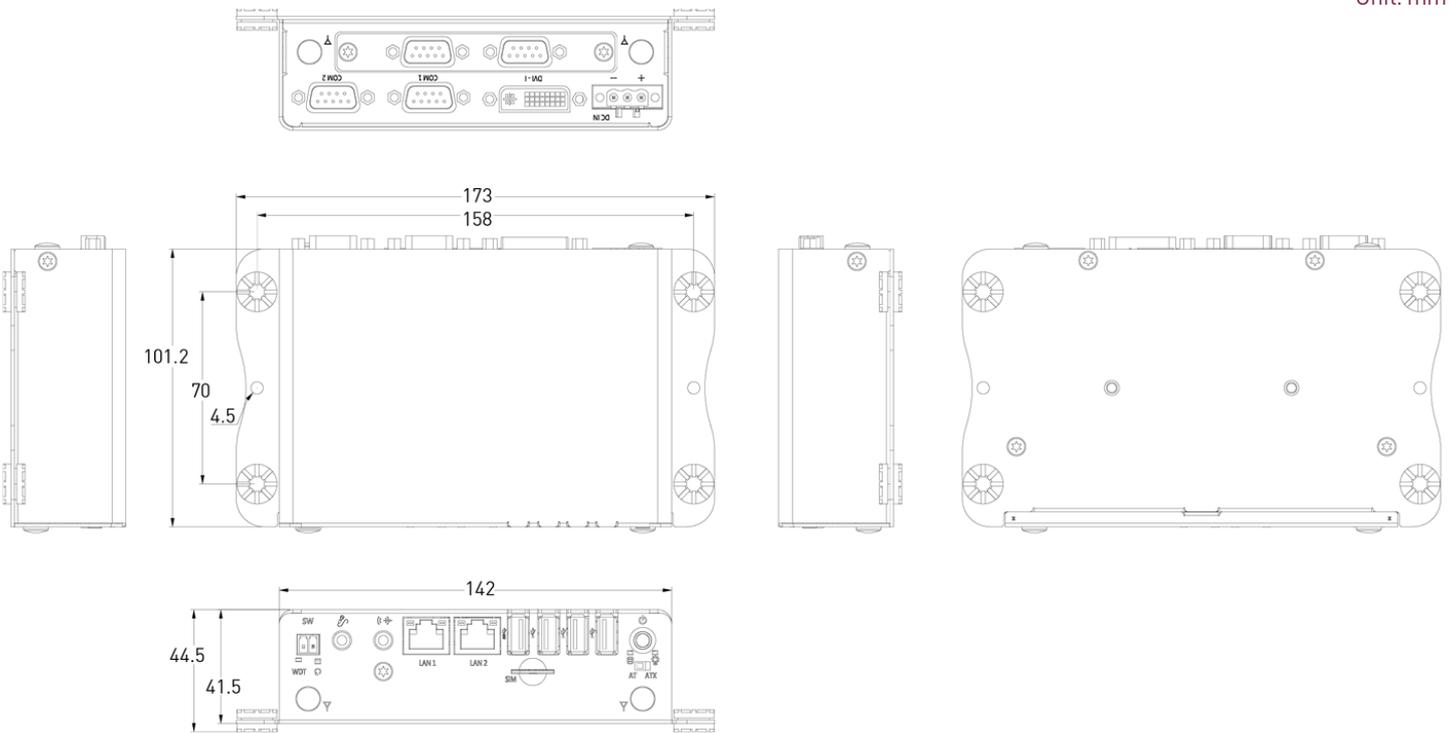
Available Models

Model No.	Description
BCO-1000-J1900-10B-P	Fanless Mini Computer with Intel® Celeron® J1900 Processor, 1x DVI-I, 4x COM, 1x 2.5" SATA HDD Bay

Optional Accessories

Model No.	Description
1-E09A06008	Adapter AC/DC 12V 5A 60W with 3pin Terminal Block Plug 5.0mm Pitch
999930	Power Cord, 3-pin US Type, 180cm
1-TPCD00002	Power Cord, European Type, 180cm
1-TPCD00001	Power Cord, 3-pin UK Type, 180cm

Packing List

- 1x BCO-1000-J1900-10B
- 1x Utility DVD Driver
- 1x Accessory Kit
- 1x DVI to VGA Adapter

Exports And Tariff Codes

ECCN	5A992.c
HTS	8471.50.0150
Schedule B	84.71