

BCO-1020C series

Basic Fanless Embedded System with Intel® Celeron® J1900 Processor, 1x DVI-I, 1x DP, 4x COM, 1x 2.5" SATA HDD Bay



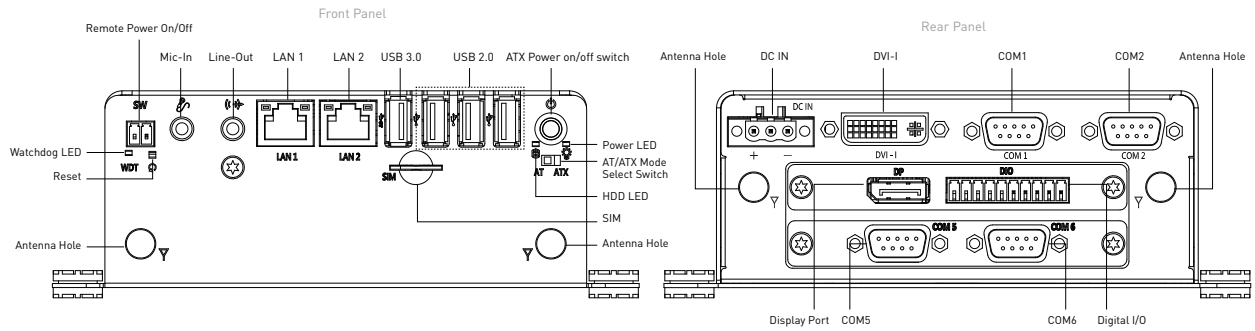
FEATURES

- 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, 1x DisplayPort
- 2x Intel® GbE supporting Wake-on-LAN and PXE
- 1x Internal 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
- 4x DI + 4x DO with isolation
- 9 to 30VDC wide range power input supporting AT/ATX mode
- -20°C to 50°C extended operating temperature

SPECIFICATIONS

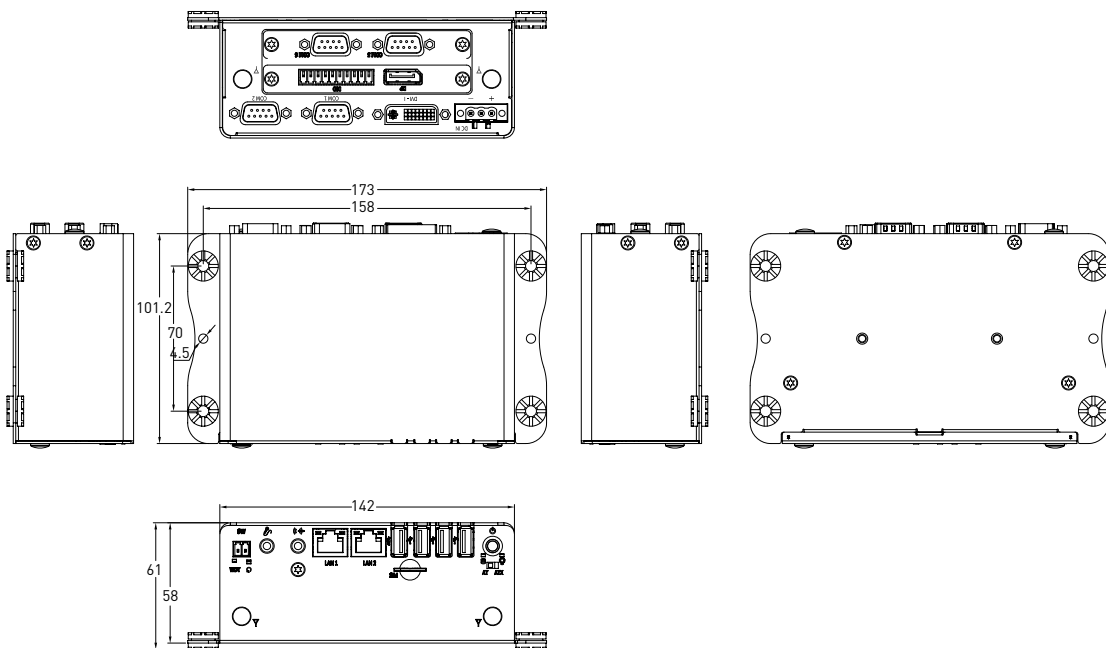
| System | | Operating System | |
|------------------|--|---------------------------|--|
| Processor | Intel® Celeron® Processor J1900, Quad Core, 2MB Cache, 2.0 GHz | Windows | Windows 10, Windows 7, WES7 |
| System Chipset | SoC integrated | Linux | Linux kernel 3.X |
| LAN Chipset | GbE1 & GbE2: Intel I210-AT (Support Wake-on-LAN and PXE) | Power | |
| Audio Codec | Realtek ALC888S | Power Mode | AT, ATX |
| System Memory | 1x 204-Pin DDR3L 1066/1333MHz SODIMM. Max. up to 8 GB | Power Supply Voltage | 9~30VDC |
| BIOS | AMI 64Mbit SPI BIOS | Power Connector | 3-pin Terminal Block |
| Watchdog | Software Programmable Supports 1~255 sec. System Reset | Power Adaptor | Optional AC/DC 12V/5A, 60W |
| TPM | TPM 2.0 (Optional) | Power Protection | OVP (Over Voltage Protection) |
| Display | | Environment | |
| VGA | Yes (by optional split cable) | Operating Temp. | -20°C to 50°C |
| DVI | 1x DVI-I | Storage Temp. | -30°C to 70°C |
| DisplayPort | 1x DisplayPort | Relative Humidity | 10% to 95% (non-condensing) |
| Multiple Display | Dual Display | Vibration | With SSD: 5 Grms, 5 - 500 Hz, 0.5 hr/axis With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis |
| Storage | | Shock | With SSD: 50G, half sine, 11ms |
| SSD/HDD | 1x Internal 2.5" SATA HDD Bay | Standards / Certification | CE, FCC Class A |
| mSATA | 1x mSATA (shared by 1x Mini PCI Express) | Physical | |
| SIM Socket | 1x External SIM socket | Construction | Fanless Design |
| Expansion | | Dimension | 142 (W) x 101(D) x 58 (H) mm |
| Mini PCI Express | 1x Full-size Mini PCIe Socket with USIM Socket (PCIe + USB + SATA) 1x Full-size Mini PCIe Socket (PCIe + USB) | Weight | 0.26 kg |
| I/O | | Mounting | Wall Mounting / DIN-Rail Mounting (Optional) |
| COM | 2x RS-232/422/485 2x RS-232/422/485 (module) | | |
| USB | 1x USB 3.0, 3x USB 2.0 | | |
| LAN | 2x RJ45 | | |
| Audio | 1x Mic-in, 1x Line-out | | |
| DIO | 4 in / 4 out (Isolated) | | |
| Others | 4x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off | | |

EXTERNAL I/O MECHANICAL LAYOUT



DIMENSION

Unit: mm



ORDERING INFORMATION

| MODEL NO. | DESCRIPTION |
|-------------|--|
| 1-E09A06007 | Adapter AC/DC 12V 5A 60W with 3pin Terminal Block Plug 5.0mm Pitch |
| SFICBL022 | Power Cord, 3-pin US Type, 180cm |
| 1-TPCD00002 | Power Cord, European Type |
| 1-TPCD00001 | Power Cord, 3-pin UK Type, 180cm |
| 3-DINR-0003 | DIN-Rail Mount Kit |

PACKING LIST

- 1x BCO-1000 Series Embedded System
- 1x Utility DVD Driver
- 1x Accessory Kit
- 1x DVI to VGA Adapter

AVAILABLE MODELS

| MODEL NO. | DESCRIPTION |
|-----------------|---|
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