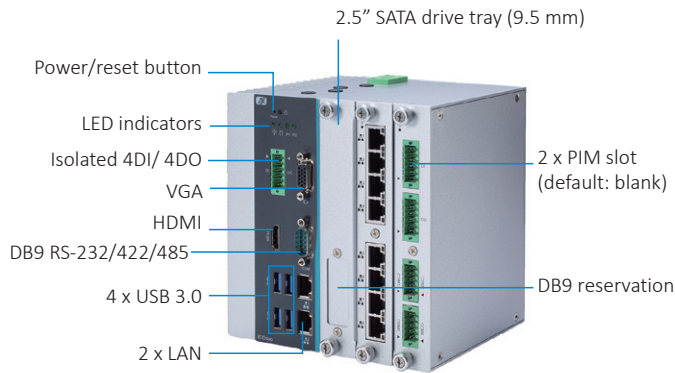


IC0500-518

Robust DIN-rail Fanless Embedded System with 7th Gen Intel® Core™ i7/i5/i3 & Celeron® Processor and Dual Modular I/O Expansion Design



▲ Front view



▲ Top view

▲ Bottom view

Features

- 7th gen Intel® Core™ i7/i5/i3 and Celeron® processors (Kaby Lake-U)
- 2 PIM (Plug-in I/O Module) slots
- Fanless and compact design
- Wide operating temperature range from -40°C to +70°C
- 12 to 48 VDC wide range power input
- OVP, UVP, OCP, RPP power protection design
- 1 swappable 2.5" SATA drive tray



Specifications

| | | | | | | | |
|---------------------|---|----------|---|-------------|---------------------------------|------------|--|
| Standard Color | Silver | | | | | | |
| Construction | Aluminum extrusion and heavy-duty steel, IP40 | | | | | | |
| CPU | Intel® Core™ i7-7600U 2C @ 2.8GHz Intel® Core™ i5-7300U 2C @ 2.6GHz Intel® Core™ i3-7100U 2C @ 2.4 GHz Intel® Celeron® 3965U 2C @ 2.2 GHz | | | | | | |
| System Memory | 1 x DDR4-2133 SO-DIMM, up to 16GB | | | | | | |
| Chipset | SoC integrated | | | | | | |
| BIOS | AMI | | | | | | |
| TPM | TPM 2.0 | | | | | | |
| System I/O Outlets | <table border="0"> <tr> <td>Top Side</td> <td>1 x DC power input with terminal block 4 x Antenna opening</td> </tr> <tr> <td>Bottom Side</td> <td>External SIM slot & CFast™ card</td> </tr> <tr> <td>Front Side</td> <td>1 x HDMI 2 x GbE LAN 4 x USB 3.0 1 x VGA 1 x DB9 RS-232/422/485 1 x Isolated DIO (4-in/4-out) 1 x 2.5" SATA drive tray 2 x PIM slot</td> </tr> </table> | Top Side | 1 x DC power input with terminal block 4 x Antenna opening | Bottom Side | External SIM slot & CFast™ card | Front Side | 1 x HDMI 2 x GbE LAN 4 x USB 3.0 1 x VGA 1 x DB9 RS-232/422/485 1 x Isolated DIO (4-in/4-out) 1 x 2.5" SATA drive tray 2 x PIM slot |
| Top Side | 1 x DC power input with terminal block 4 x Antenna opening | | | | | | |
| Bottom Side | External SIM slot & CFast™ card | | | | | | |
| Front Side | 1 x HDMI 2 x GbE LAN 4 x USB 3.0 1 x VGA 1 x DB9 RS-232/422/485 1 x Isolated DIO (4-in/4-out) 1 x 2.5" SATA drive tray 2 x PIM slot | | | | | | |
| Watchdog Timer | 255 levels, 1 to 255 sec. | | | | | | |
| Storage | 1 x Swappable 2.5" SATA drive (9.5 mm height) ** DIN-rail mounting with SSD 1 x External CFast card | | | | | | |
| Expansion Interface | 2 x Full-size PCI Express Mini Card slot 1 x External SIM card slot | | | | | | |

Specifications





| | |
|-----------------------------------|---|
| System Indicator | 1 x LED indicator for system power 1 x LED indicator for HDD activities 2 x Programmable |
| Power Supply | 12 to 48 VDC, OVP, UVP, OCP, RPP power protection design |
| Operating Temperature | -40°C to +70°C (-40°F to +158°F) with 2 PIM modules (PIM700 excluded) -40°C to +60°C (-40°F to +140°F) with 1 PIM700, 1 the other PIM module -40°C to +50°C (-40°F to +122°F) with 2 PIM700 |
| Humidity | 10% to 95%, non-condensing |
| Vibration Endurance (operational) | 3 Grms with SSD, DIN-rail/wall mounting (5 to 500Hz, X/Y/Z direction; random) |
| Weight (net/gross) | 2.2 kg (4.85 lb)/2.7 kg (5.95 lb) (PIM module excluded) |
| Certifications | CE (Class A), FCC, EN 50121-4 |
| Dimensions | 145 mm (5.70") (W) x 125 mm (4.92") (D) x 155 mm (6.10") (H) |
| Mounting | DIN-rail (standard) Wall mount (optional) |
| EOS Support | Windows® 10 IoT Linux support package |
| Software Support | eAPI |

Ordering Information

Standard

| | |
|---|--|
| ICO500-518-CELERON-TPM (P/N: E22C500105) | DIN-rail fanless embedded system with Intel® Celeron® 3965U 2.2 GHz processor, 4 USB 3.0, 2 RJ-45 LAN, COM, DIO (4-in/4-out), TPM 2.0, 2.5" SATA tray, HDMI, VGA |
| ICO500-518-I3-TPM (P/N: E22C500104) | DIN-rail fanless embedded system with Intel® Core™ i3-7100U 2.4 GHz processor, 4 USB 3.0, 2 RJ-45 LAN, COM, DIO (4-in/4-out), TPM 2.0, 2.5" SATA tray, HDMI, VGA |
| ICO500-518-I5-TPM (P/N: E22C500102) | DIN-rail fanless embedded system with Intel® Core™ i5-7300U 2.6 GHz processor, 4 USB 3.0, 2 RJ-45 LAN, COM, DIO (4-in/4-out), TPM 2.0, 2.5" SATA tray, HDMI, VGA |
| ICO500-518-I7-TPM (P/N: E22C500103) | DIN-rail Fanless embedded system with Intel® Core™ i7-7600U 2.8 GHz processor, 4 USB 3.0, 2 RJ-45 LAN, COM, DIO (4-in/4-out), TPM 2.0, 2.5" SATA tray, HDMI, VGA |

I/O Modules

| | | |
|--|---|---|
| PIM100 ISO 8COM (P/N: E27D100100) | 8 x isolated, 4-wire COM (RS-232/422/485) |  |
| PIM101 ISO 8CAN (P/N: E27D101100) | 8 x isolated CANbus 2.0 A/B |  |
| PIM700 8RJ45 LAN (P/N: E27D700100) | 8 x RJ-45 Gigabit Ethernet (Intel® i210-IT) |  |
| PIM900 ISO 4COM + 8DI/8DO (P/N: E27D900100) | 4 x isolated, 4-wire COM (RS-232/422/485) & isolated 8-in/8-out DIO |  |

Optional

| | |
|---------------|---------------|
| 2.5" SATA SSD | 16GB or above |
| CFast™ | 16GB or above |
| DDR4 SO-DIMM | 4GB to 16GB |

* Specifications and certifications may vary based on different requirements.

Dimensions

