ICO500-518 NEW

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

Features
- 7th gen Intel® Core™ i7/i5/i3 & 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™ i7-7660U 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 |
| 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 SIM card slot |
| Expansion Interface | 2 x Full-size PCI Express Mini Card slot |
| 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 (-4°F to +158°F)  
-40°C to +60°C (-40°F to +140°F) with PIM200 |
| Humidity       | 10% to 95%, non-condensing |
| Vibration Endurance | 3 Gms with SSD, DIN-rail/wall mounting (5 to 500Hz, X/Y/Z direction, random) |
| Weight (net/gross) | TBC |

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) |
- EIS Support | Windows® 10  
Linux support package |
- Remote Management Software | AXView 2.0, AXView 3.0  
Intelligent Remote Management Solution for IoT |
- Mounting | DIN-rail (standard)  
Wall mount (optional) |

Ordering Information

Standard

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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| ICO500-518-Celeron | 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), 2.5” SATA tray, HDMI, VGA |
| ICO500-518-i3 | 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), 2.5” SATA tray, HDMI, VGA |
| ICO500-518-i5 | 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), 2.5” SATA tray, HDMI, VGA |
| ICO500-518-i7 | Fanless embedded system with Intel® Core™ i7-7660U  
2.8 GHz processor, 4 USB 3.0, 2 RJ-45 LAN, COM, DIO (4-in/4-out), 2.5” SATA tray, HDMI, VGA |

Updated Aug. 28 2019.
Ordering Information

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<tr>
<th>I/O Modules</th>
<th>Optional</th>
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<tr>
<td>PIM100 8 x isolated, 4-wire COM (RS-232/422/485)</td>
<td>2.5” SATA SSD</td>
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<td>CFast™</td>
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<td>DDR4 SO-DIMM</td>
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* Specifications and certifications may vary based on different requirements.

Dimensions

- PIM100 8 x isolated CANbus 2.0 A/B
- PIM700 8 x RJ-45 Gb Ethernet
- PIM900 4 x isolated, 4-wire COM (RS-232/422/485) & isolated 8-in/8-out DIO