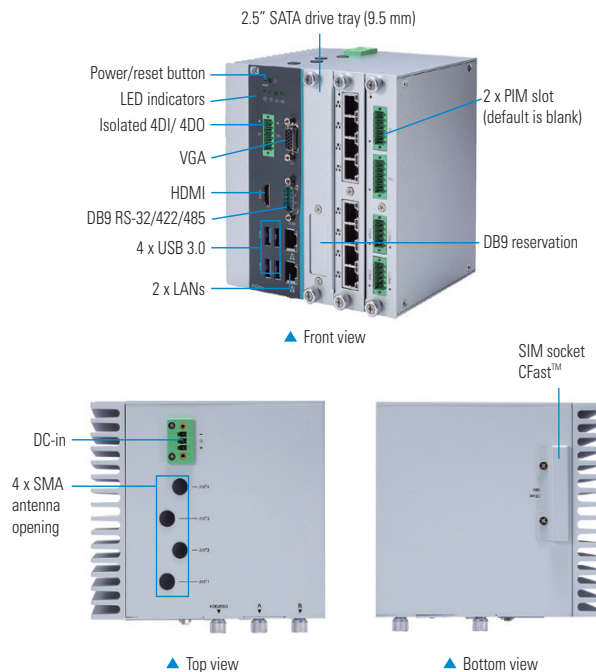
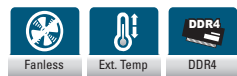


# ICO500-518 NEW

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™ i7-7600U 2C @ 2.8GHz<br>Intel® Core™ i5-7300U 2C @ 2.6GHz<br>Intel® Core™ i3-7100U 2C @ 2.4 GHz<br>Intel® Celeron® 3965U 2C @ 2.2 GHz                                                                                                                                             |
| System Memory                     | 1 x DDR4-1866/2133 SO-DIMM, up to 16GB                                                                                                                                                                                                                                                         |
| Chipset                           | SoC integrated                                                                                                                                                                                                                                                                                 |
| BIOS                              | AMI                                                                                                                                                                                                                                                                                            |
| System I/O Outlets                | Top Side: 1 x DC power input with terminal block<br>4 x Antenna opening<br>Bottom Side: External SIM slot & CFast card<br>Front Side: 1 x HDMI<br>2 x GbE LAN<br>4 x USB 3.0<br>1 x VGA<br>1 x DB9 RS-232/422/485<br>1 x Isolated DIO (4-in/4-out)<br>1 x 2.5" SATA drive tray<br>2 x PIM slot |
| Watchdog Timer                    | 255 levels, 1 to 255 sec.                                                                                                                                                                                                                                                                      |
| Storage                           | 1 x Swappable 2.5" SATA drive (9.5 mm height)<br>** DIN-rail mounting with SSD<br>1 x External CFast card                                                                                                                                                                                      |
| Expansion Interface               | 2 x Full-size PCI Express Mini Card slot<br>1 x External SIM card slot                                                                                                                                                                                                                         |
| System Indicator                  | 1 x LED indicator for system power<br>1 x LED indicator for HDD activities<br>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)<br>-40°C to +60°C (-40°F to +140°F) with PIM200                                                                                                                                                                                                               |
| Humidity                          | 10% to 95%, non-condensing                                                                                                                                                                                                                                                                     |
| Vibration Endurance (operational) | 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                                                                                                                                                                                                                                                                              |

|                            |                                                                  |
|----------------------------|------------------------------------------------------------------|
| Dimensions                 | 145 mm (5.70") (W) x 125 mm (4.92") (D) x 155 mm (6.10") (H)     |
| EOS Support                | Windows® 10<br>Linux support package                             |
| Remote Management Software | AXView 2.0/3.0<br>Intelligent Remote Management Solution for IoT |
| Mounting                   | DIN-rail (standard)<br>Wall mount (optional)                     |

## Ordering Information

| Standard           |                                                                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 2.6GHz 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™ i7-7600U 2.8GHz processor, 4 USB 3.0, 2 RJ-45 LAN, COM, DIO (4-in/4-out), 2.5" SATA tray, HDMI, VGA  |

## Ordering Information

### I/O Modules

PIM100 8 x isolated, 4-wire COM  
(RS-232/422/485)



PIM101 8 x isolated CANbus 2.0 A/B



PIM200 4 x isolated, 4-wire COM  
(RS-232/422/485) &  
isolated 8-in/8-out DIO



PIM700 8 x RJ-45 Gb Ethernet

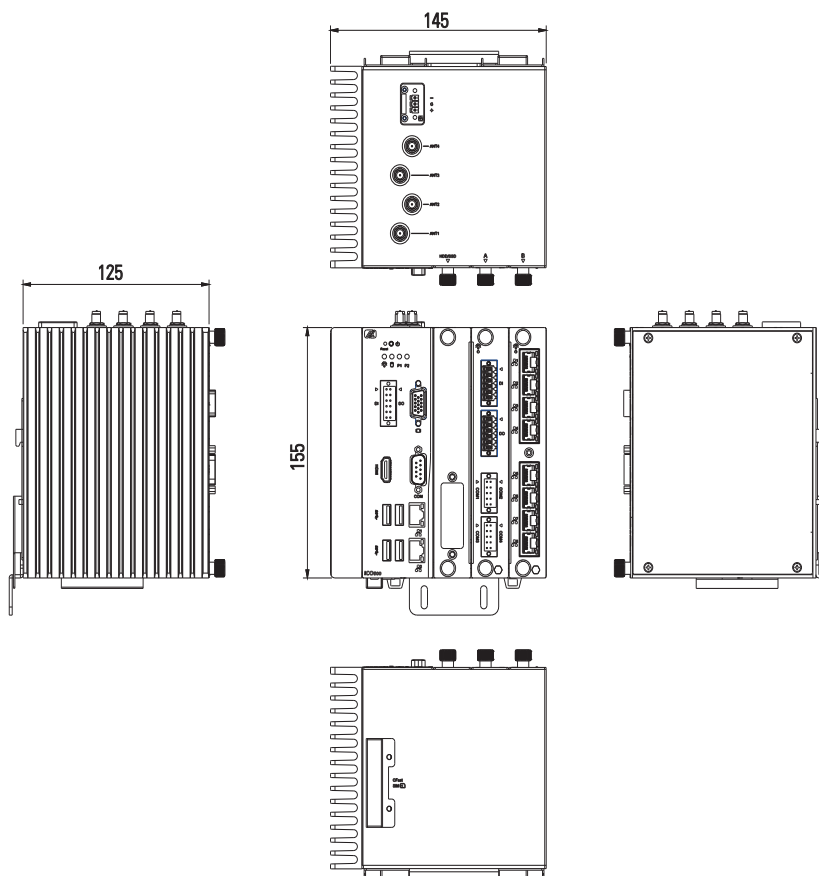


### Optional

|               |               |
|---------------|---------------|
| 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



\* All specifications and photos are subject to change without notice. [www.axiomtek.com](http://www.axiomtek.com) © 2019 Axiomtek Co., Ltd. All rights reserved.

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