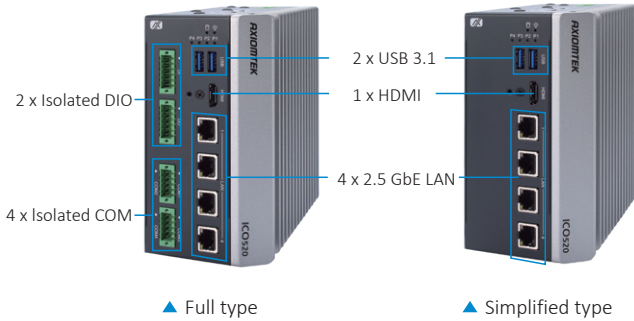


# IC0520 NEW

DIN-Rail Fanless Embedded System with 12th Gen Intel® Core™ i7/i5/i3 or Celeron® Processor, 4 2.5GbE LAN, 2 HDMI, 4 USB, 4 Isolated COM, and Isolated DIO (8-in/8-out)

## Features

- High performance with fanless and DIN-rail design
- 12th Gen Intel® Core™ i7/i5/i3 or Celeron® processor (Alder Lake-P)
- 4 isolated COM, isolated DIO (8-in/8-out), 4 2.5 GbE LAN
- Wide operating temperature range from -40°C to +70°C
- 9 to 36 VDC, typical 12-24V power input with OVP, UVP, OCP, RPP
- Supports TPM 2.0
- Supports cold boot at -40°C

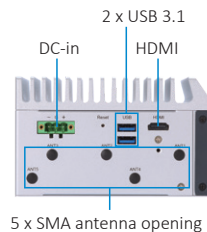


▲ Full type

▲ Simplified type



▲ Rear view



▲ Top view

## Specifications

Standard Color	Silver	
Construction	Extruded aluminum and heavy-duty steel, IP40	
CPU	Intel® Core™ i7-1265UE (1.7GHz/10C/15W) Intel® Core™ i5-1245UE (1.5GHz/10C/15W) Intel® Core™ i3-1215UE (1.2GHz/6C/15W) Intel® Celeron® 7305E (1GHz/5C/15W)	
Chipset	SoC integrated	
System Memory	1 x DDR4-3200 SO-DIMM, up to 32GB	
BIOS	AMI	
TPM	TPM 2.0	
System I/O Outlet	Serial	4 x Isolated RS-232/422/485 (4-wire, Phoenix Type, only for full type) Isolation voltage: 1.5 kV
	Display	2 HDMI
	USB	4 x USB 3.1
	Ethernet	4 x RJ-45 isolated 2.5 GbE LAN (Intel® i226-IT) Isolation voltage: 1.5 kV
	DIO	1 x Isolated 8-in/8-out DIO (only for full type)
	Others	5 x Antenna opening
Extension Interface	1 x M.2 Key B 3050/3052 slot: PCIe/USB (for 5G/Wi-Fi) 1 x Full-size Rev.1.2 PCI Express Mini Card slot: PCIe/USB (for LTE/Wi-Fi) 1 x Full-size Rev.1.2 PCI Express Mini Card slot: USB/SATA (for Wi-Fi/mSATA) 3 x SIM slot (1 for M.2; 2 for full-size PCI Express Mini Card)	
Storage	1 x Internal 2.5" SATA Drive 1 x mSATA (occupied 1 x PCI Express Mini Card slot) 1 x M.2 (PCIe Gen4 x4): NVMe (2242/2280) (optional)	
Watchdog Timer	255 levels, 1 to 255 sec.	

## Specifications

Power Supply	1 x Terminal block, 9 to 36 VDC, typical 12/24V
System Indicators	1 x LED indicator for SATA drive 1 x LED indicator for power 4 x Programmable LED
Operating Temperature	-40°C to +70°C (-40°F to +158°F) Cold boot at -40°C
Humidity	10% to 95%
Vibration Endurance	3 Gms with storage (5 to 500Hz, X/Y/Z direction; random, operating)
Dimensions	83 mm (3.27") (W) x 110 mm (4.33") (D) x 155 mm (6.10") (H)
Weight (net/gross)	Full: 1.75 kg (3.86 lb) Simplified: 1.65 kg (3.84 lb)
Certifications	CE (Class A), FCC (Class A)
EMC	CE/FCC
EOS Support	Windows® 10 IoT, Linux
Software Support	eAPI

\* Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

## Ordering Information

IC0520-ALD7-A	DIN-rail fanless embedded system with Intel® Core™ i7-1265UE processor, 4 USB 3.1, 4 2.5GbE LAN, 4 isolated COM, isolated DIO (8-in/8-out), and 2 HDMI
IC0520-ALD7-AS	DIN-rail fanless embedded system with Intel® Core™ i7-1265UE processor, 4 USB 3.1, 4 2.5GbE LAN, and 2 HDMI
IC0520-ALD5-A	DIN-rail fanless embedded system with Intel® Core™ i5-1245UE processor, 4 USB 3.1, 4 2.5GbE LAN, 4 isolated COM, isolated DIO (8-in/8-out), and 2 HDMI
IC0520-ALD5-AS	DIN-rail fanless embedded system with Intel® Core™ i5-1245UE processor, 4 USB 3.1, 4 2.5GbE LAN, and 2 HDMI
IC0520-ALD3-A	DIN-rail fanless embedded system with Intel® Core™ i3-1215UE processor, 4 USB 3.1, 4 2.5GbE LAN, 4 isolated COM, isolated DIO (8-in/8-out), and 2 HDMI
IC0520-ALD3-AS	DIN-rail fanless embedded system with Intel® Core™ i3-1215UE processor, 4 USB 3.1, 4 2.5GbE LAN, and 2 HDMI
IC0520-ALDC-A	DIN-rail fanless embedded system with Intel® Celeron® 7305E processor, 4 USB 3.1, 4 2.5GbE LAN, 4 isolated COM, isolated DIO (8-in/8-out), and 2 HDMI
IC0520-ALDC-AS	DIN-rail fanless embedded system with Intel® Celeron® 7305E processor, 4 USB 3.1, 4 2.5GbE LAN, and 2 HDMI

## Dimensions

