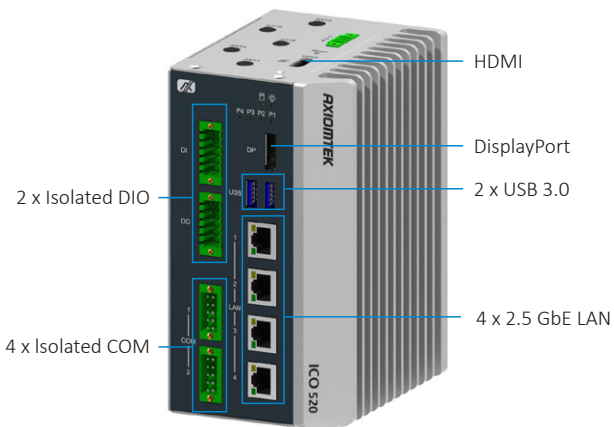


IC0520 NEW

DIN-rail Fanless Embedded System with Intel® Core™ i7/i5/i3/Celeron® Processor, 4 LAN, 1 HDMI, 1 DisplayPort Isolated COM and DIO



▲ Front view

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



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, on MIO module) Isolation voltage: 1.5 kV
	Display	2 x 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 (on MIO module)
	Others	5 x Antenna opening
Extension Interface	1 x M.2 Key B 3050/3052: 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 Half-size Rev.1.2 PCI Express Mini Card slot: USB/SATA (for Wi-Fi/mSATA)	
	2 x SIM slot (1 for M.2; 1 for full-size PCI Express Mini Card)	
	1 x MIO	
Storage	SATA Drive	1 x Internal 2.5" SATA Drive 1 x mSATA (occupied 1 x PCI Express Mini Card slot) 1 x M.2 (PCIe Gen4x4): NVMe (2242/2280) (optional) 1 x eMMC (optional)
	Watchdog Timer	255 levels, 1 to 255 sec.
	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

Specifications

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 (TBC)	83 mm (W) x 110 mm (D) x 155 mm (H)
Weight (net/gross) (TBC)	1.0 kg (2.2 lb)/1.50 kg (3.3 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	DIN-rail Fanless Embedded System with Intel® Core™ i7/i5/i3/Celeron® Processor, 4 LAN, Isolated COM and DIO, 2 Display Output
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Dimensions

