



- Intel® Apollo Lake x5 - **E3940**  
Quad-Core 1.6GHz (1.8 GHz Turbo), 9,5W
- 1x DDR3L 1866 MHz **8GB RAM**
- Extended power supply range from **9V to 36V**
- Extended Temperature range **-40°C to 70°C**
- 2x LAN Intel® Gigabit Ethernet
- 2x COM RS232/422/485 (COM1 w/power 5V/12V) (DP9)
- 2x COM RS485 (Isolation Protection 2,5kVDC)
- 16 GPIO (Isolation Protection 2,5kVDC) (8in - 8out) Out Voltage 5~20VDC

## APOLLO 485GPIO

FANLESS IPC



### MAINBOARD

**CPU:** Intel® Apollo Lake x5-E3940  
Quad-Core 1.6GHz (1.8GHz Turbo)  
9,5W

### MEMORY

**Capacity:** 8GB  
**Frequency:** 1866 MHz  
**Type:** 1x SO-DIMM DDR3L

### STORAGE

**M.2:** 1x M.2 (M-Key 2242, 2260, 2280)

### I/O INTERFACE

**Serial ports:** 2x COM RS232/422/485 (COM1 w/power 5V/12V)  
2x COM RS485 (Isolation Protection 2,5kVDC)

**USB ports:** 4x USB 3.0,

**Mini-PCIe:** 1x Mini-PCIe (Half size) for WIFI or LTE

**SIM:** 1x SIM Card Slot

**AUDIO:** 1x Line-out

**GPIO:** 16 GPIO (Isolation Protection 2,5kVDC) (8in - 8out) Out Voltage 5~20VDC

### VIDEO

**GPU:** Intel® HD Graphics

**Interface:** 1x HDMI 1.4b (Up to 3840x2160 @30Hz)  
1x VGA (Up to 1920x1200 @60Hz)

### ETHERNET

**LAN:** 2x Intel i210-IT Gigabit LAN

### POWER

**Power in:** 9 to 36V, DC-in

**Power consumption:** 60W max

**Power SW:** Remote Power ON/OFF (2 Pin)

**Other:** 1x AT/ATX mode switch

**Adapter:** AC\_90~240V / DC\_12V\_3A/60W

### MECHANICAL

**Material:** Lightweight aluminum alloy with extruded aluminum IO panel

**Dimensions:** (L)185x(W)142x(H)60mm

**Weight:** 2.2Kg

**Mounting:** WallMount + DIN Rail

### ENVIRONMENT

**Operating temp.:** -40°C to 70°C

**Storage temp.:** -40°C to 80°C

**Humidity:** 10% to 95% RH @40°C, non-condensing

**EMC:** CE, FCC, RoHS, ErP Ready

## SARC ITALIA SRL

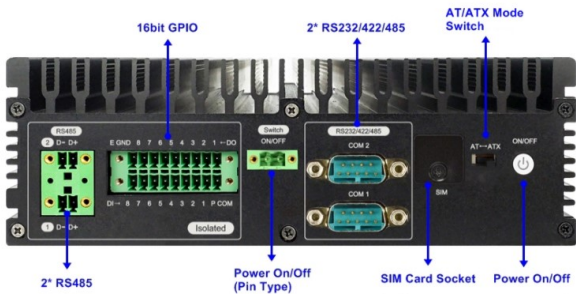
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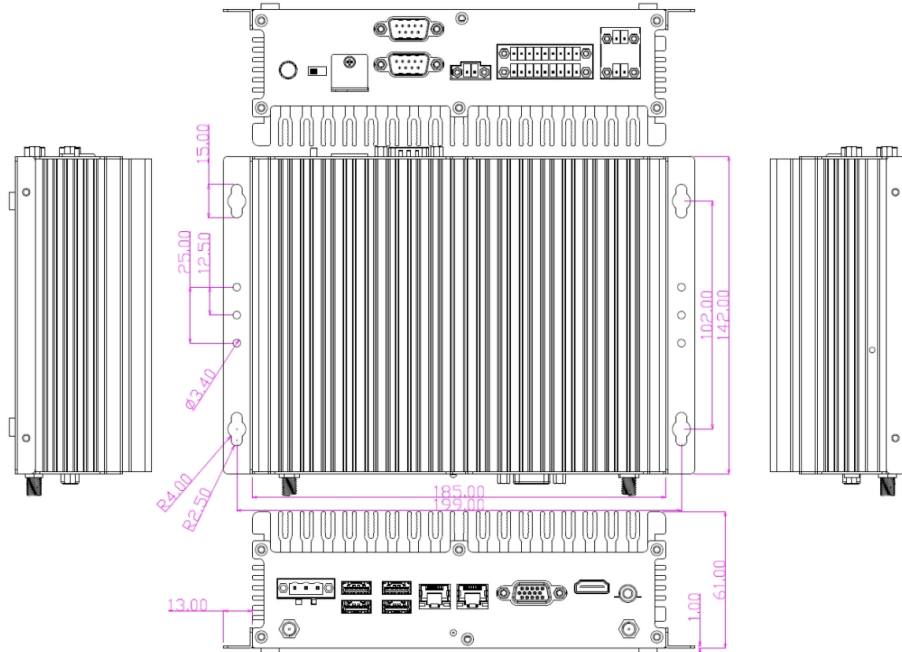
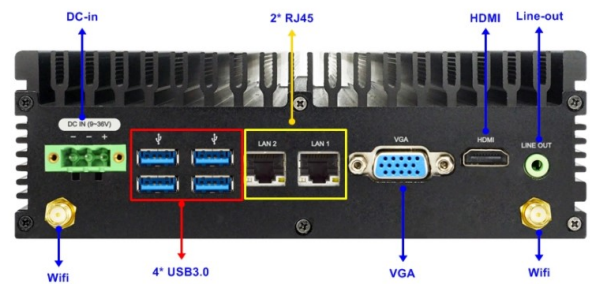
Website: [www.sarcitalia.it](http://www.sarcitalia.it)

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Front



Rear



**Accessories Included:**

- WALL + VESA Mount Kit
- Power Adapter 12V @60W + Power Cable
- Dual Band WIFI/4G Antenna (with WIFI/4G version)
- Screw pack

**Compatible OS:**

**MS WINDOWS (64bit)**

- Windows 10
- **Windows 10 Enterprise LTSC (IoT)**
- Windows 11
- Windows 11 Enterprise LTSC (IoT)



**LINUX \***

- CentOS 8
- Debian 10
- Fedora 34
- Ubuntu 20.04 LTS
- pfSense 2.4.4
- Android x86 8.1\_rc2



\* Linux distributions tested with the IPC.

**Order Code:**

**B04 - 16C - APOLLO - E3940 - R08 - M2DXXX**

STORAGE	SSD (2,5")	M2D/SSD128
	M2D (M.2)	Other on Request

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