



## TIGER EXP Series

FANLESS IPC

- 11st Gen. Intel® Tiger Lake - UP3 ULV CPU  
Core i7/i5/i3 / Celeron, 15W/28W
- Intel® Iris Xe Graphics
- up to 32GB RAM
- Multiple Interface options  
(Up to 12xLAN, Up to 8xPoE, Up to 12xCOM, Up to 16xGPIO,  
Up to 2xCANbus)
- Wide Power Range 12V ~ 36V DC-in
- Up to 4x Intel® Ethernet LAN  
(1x 2.5GbE + 1x 1GbE + 2x 1GbE (on request))
- WIFI and/or 4G/5G connectivity (optional)
- 4x Video interface (2x HDMI 2.0b - 2x DP 1.4)



### MAINBOARD

<b>CPU:</b>	11st Gen. Intel® Tiger Lake - UP3 ULV CPU Celeron 6305E - 2 Core /2 Tread 1,8GHz, 15W i3-1115G4E - 2 Core /4 Tread 3.9GHz, 15/28W i5-1145G7E - 4 Core /8 Tread 4.1GHz, 15/28W i7-1185G7E - 4 Core /8 Tread 4.4GHz, 15/28W
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### MEMORY

<b>Capacity:</b>	up to 32GB
<b>Frequency:</b>	3200 MHz
<b>Type:</b>	1x SO-DIMM DDR4

### STORAGE

<b>SATA:</b>	2x SATA3
<b>M.2:</b>	1x M.2 M-Key (2242/2260/2280)
<b>mSATA:</b>	1x mSATA
<b>Storage Bay:</b>	2x Hot Swappable 2.5" SSD Tray

### I/O INTERFACE

<b>Serial ports:</b>	1x COM RS232/422/485 3x COM RS232
<b>USB ports:</b>	4x USB 3.1 Gen 2, 2x USB 2.0,
<b>Mini-PCIe</b>	1x Mini-PCIe Full size (support SATA3)
<b>M.2:</b>	1x M.2 E-Key (2230) (PCIe/USB) for WIFI (optional) 1x M.2 B-Key(2240/2260/2280/3042/3052) (USB 2.0 / *PCIeX1 / SATA3) for Storage/LTE/5G (optional) *Not support M.2 M-Key NVMe SSD

### AUDIO:

1x MIC / Line-out Jack

### VIDEO

<b>GPU:</b>	Intel® Iris Xe Graphics
<b>Interface:</b>	2x HDMI 2.0b (Up to 4096x2304 @60Hz) 2x DP 1.4 (Up to 7680x4320 @60Hz)

### ETHERNET

<b>LAN:</b>	1x Intel i219-LM PHY GbE LAN (iAMT 11.0) 1x Intel i225-LM 2.5GbE LAN 2x Intel i210-IT GbE LAN (on request)
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### POWER

<b>Power in:</b>	12 ~ 36V, DC-in
<b>Max Power:</b>	120W max
<b>Adapter:</b>	AC 90~240V to DC 24V @5A/120W

### MECHANICAL

<b>Material:</b>	Top cover: Aluminum Alloy, Bezel and chassis: Steel
<b>Dimensions:</b>	(W)210x(D)150x(H)103mm
<b>Weight:</b>	2.2Kg
<b>Mounting:</b>	Wall Mount / Side Mount / 75x75 VESA Holes + DIN Rail Kit (Optional)

### ENVIRONMENT

<b>Operating temp.:</b>	-40°C ~ 60°C(28W) / 70°C (15W)
<b>Storage temp.:</b>	-40°C ~ 85°C
<b>Humidity:</b>	10% ~ 95% Humidity, non-condensing

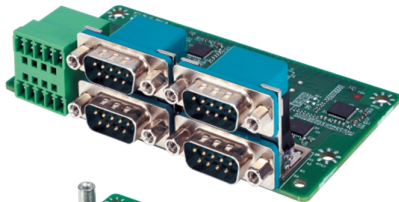
## SARC ITALIA SRL

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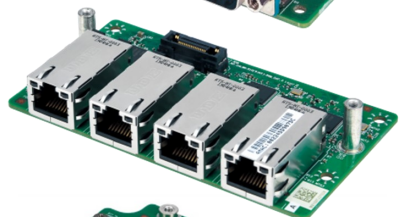
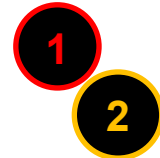
Website: [www.indatech.it](http://www.indatech.it)

Email: [info@indatech.it](mailto:info@indatech.it)



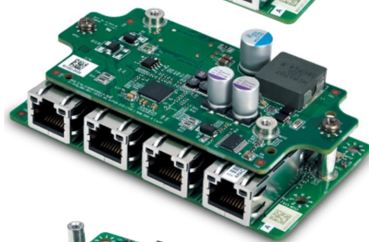
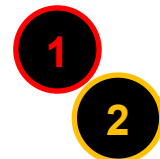
**Cod. 1000xxxx ESP - 4COM - 8GPIO**

4x RS232/422/485 or Powered RS232  
8x DIO port 8-bit GPIO (4x DI + 4x DO)



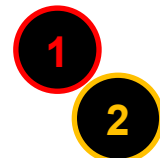
**Cod. 1000xxxx ESP - 4GbELAN - RJ45**

4x Intel® I210-IT GigE LAN, RJ45 port



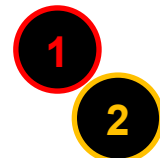
**Cod. 1000xxxx ESP - 4GbELAN - RJ45 - PoE+**

4x Intel® I210-IT GigE PoE+ LAN, RJ45 port



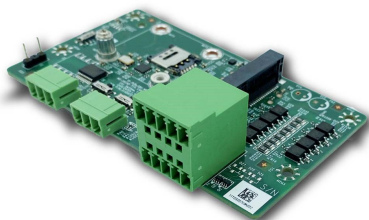
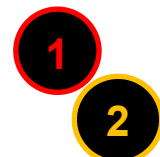
**Cod. 1000xxxx ESP - 4GbELAN - M12-A**

4x Intel® I210-IT GigE LAN, M12 port, Code A



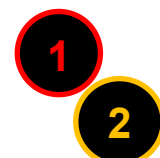
**Cod. 1000xxxx ESP - 4GbELAN - M12-A - PoE+**

4x Intel® I210-IT GigE PoE+ LAN, M12 port, Code A



**Cod. 1000xxxx ESP - 2CAN - 6DIDO**

2x CANbus 2.0B + 6-bit Isolated DIDO

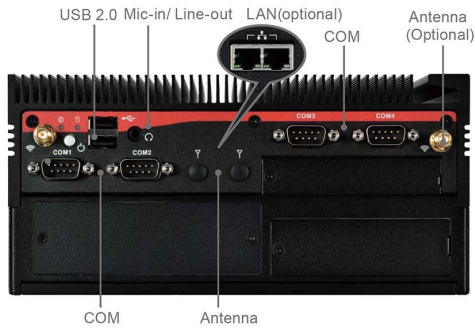


**Cod. 1000xxxx ESP - POWER IGNITION**

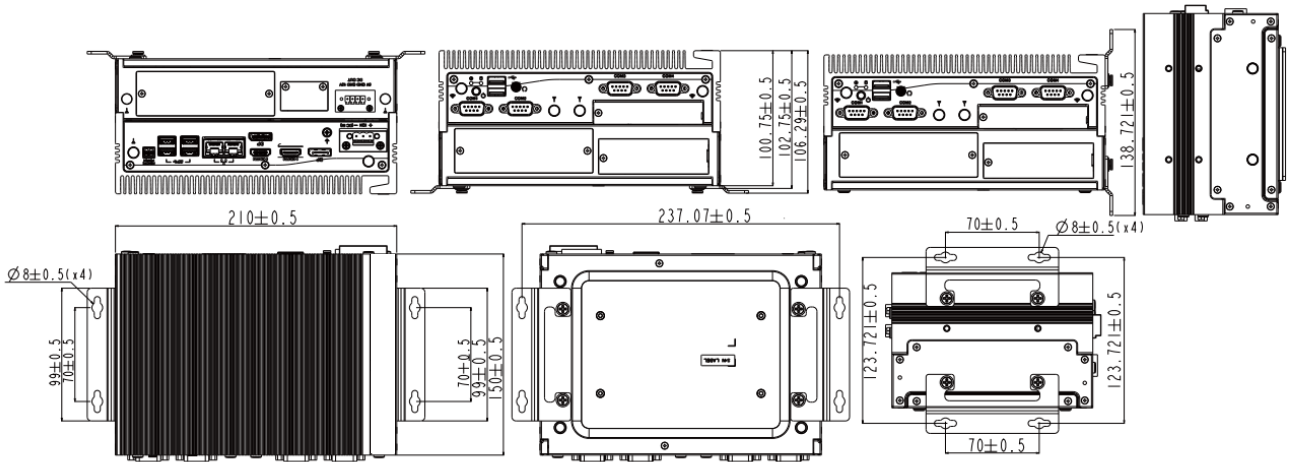
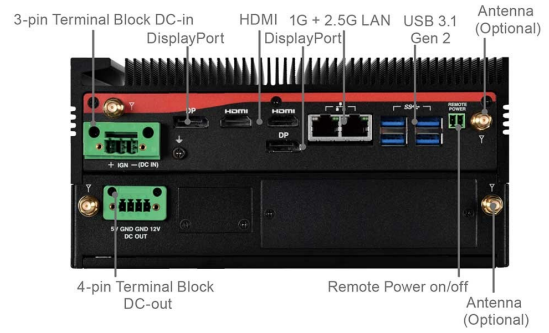
12/24 Vehicle Power selection  
ON/OFF Delay Timing switches



Front



Rear



Accessories Included:

- Wall Mount Brackets
- DIN Rail Kit (On request)
- Power Adapter + Power Cable
- Dual Band WiFi Antenna (On request - WIFI 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



\* Linux distributions tested with the IPC.

Order Code:

**B04 - 14C - TIGER-EXP - CPU - RXX - SSDXXX**

<b>CPU</b>	6305E	<b>RAM</b>	<b>R08</b> (8 GB)	<b>STORAGE</b>	<b>SSD</b> (2,5")	<b>M2D/SSD128</b>
	i3-1115G4E		<b>R16</b> (16 GB)		<b>MSD</b> (mSATA)	<b>M2D/SSD256</b>
	i5-1145G7E		<b>R32</b> (32 GB)		<b>M2D</b> (M.2)	<b>Other on Request</b>
	i7-1185G7E					

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