POC-465AWP

BRESSNER
A ONE STOP SYSTEMS COMPANY

IP65 waterproof computer with Intel® Elkhart Lake Atom® CPU and isolated COM ports

Features

- Intel® Elkhart Lake Atom® x6425E quad-core CPU
- 2x 2.5 GbE Ethernet ports via M12 X-coded connectors
- 1x isolated RS-232 and 1x isolated RS-422/485 via M12 A-coded connectors
- 2x USB 2.0 ports via M12 A-coded connectors
- 1x VGA port via M12 A-coded connerctor
- **IP65-rated waterproof and dustproof design**
- Rugged fanless operation (-25°C to 70°C)

Front

Rear

System	
CPU	Intel® Elkhart Lake Atom® x6425E quad-core 2.0GHz/ 3.0GHz 12W processor
Graphics	Integrated Intel® UHD Graphics
RAM	Up to 32GB DDR4-3200 SDRAM by one SODIMM socket
TPM	Supports TPM 2.0 (fTPM/ dTPM)

I/O Interface	
USB	2x USB 2.0 ports via M12 A-coded, 8-pin connector
Ethernet	2x 2.5G Ethernet ports by Intel® I225-IT / I226-IT via M12 X-coded, 8-pin connector
Serial Ports	1x isolated RS-232 port (COM1) 1x isolated RS-422/485 ports (COM2) via M12 A-coded, 8-pin connector
Native Video Port	1x VGA connector, supporting 1920 x 1200 resolution, via M12 A-coded, 17-pin connector

Internal Expansion bus	
M.2	1x M.2 2242/3052 B key socket for 4G/5G module

Storage	
M.2	1x M.2 2280 M key socket for SATA SSD

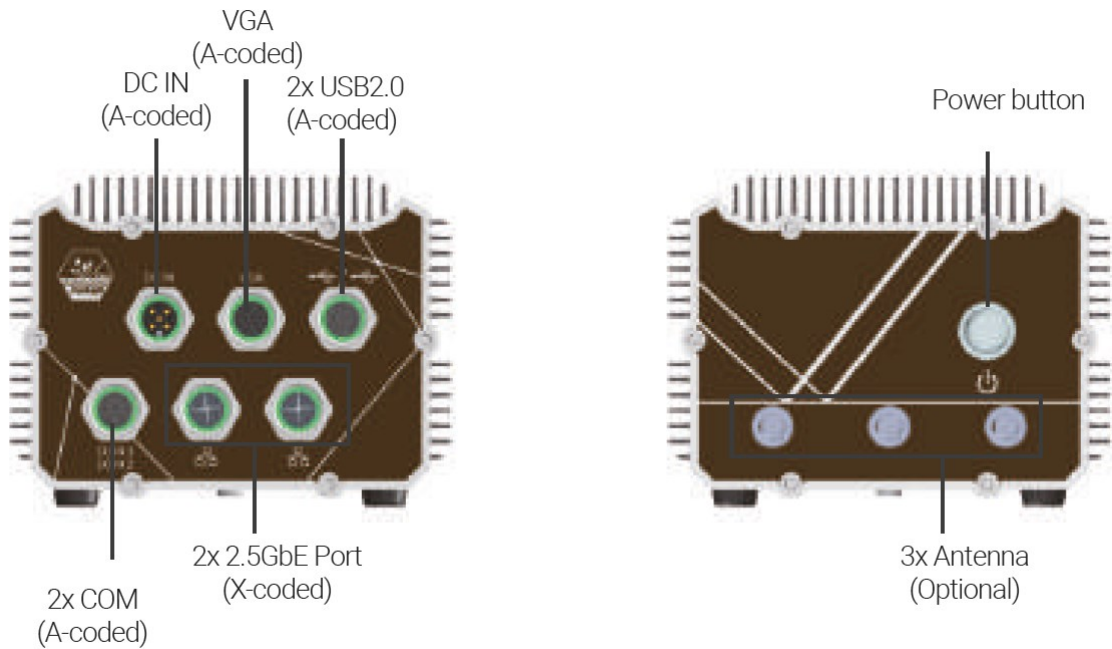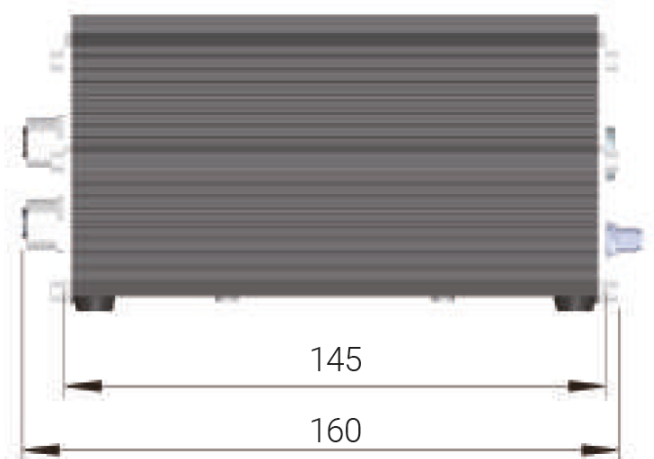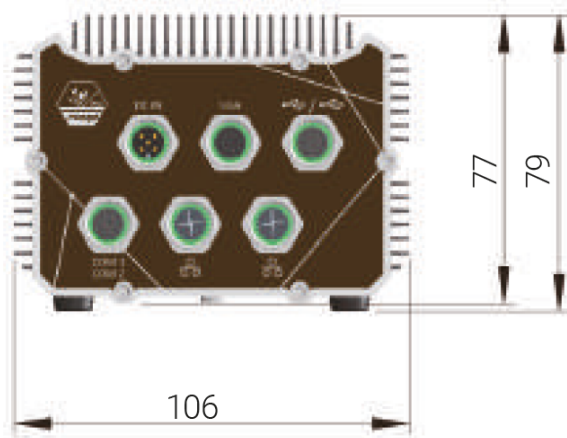| Mechanical	
DC Input	8~35V DC input with ignition power control input via M12 A-coded, 5-pin connector
Dimensions	106 mm (W) x 159.7 mm (D) x 79 mm (H)
Weight	1.45 kg
Operating Temp.	-25°C to 70°C
Storage Temp.	-40°C ~ 85°C
Humidity	10%~90%, non-condensing
Vibration	Operating, MIL-STD-810G, Method 514.6, Category 4
Shock	Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II
Certification	CE/FCC Class A, according to EN 55032 & EN 55035

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Apperance

VGA
(A-coded)

DC IN
(A-coded)

2x USB2.0
(A-coded)

Power button

2x 2.5GbE Port
(X-coded)

2x COM
(A-coded)

3x Antenna
(Optional)

Dimensions (mm)

77

79

106

145

160

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Ordering Information

POC-465AWP	IP65 Waterproof Computer with Intel® Atom® x6425E, 2x 2.5GbE and Isolated COM Ports

Optional Accessories

PA-60W-OW	60W AC/DC power adapter with 12V, 5A DC output, cord end terminals for terminal block. Operating temperature : -30 to 60 °C
M12-Cable-Kit-POC-465AWP	2x LAN, 1x VGA, 2x USB2.0 (by Y-cable), 2x COM (by Y-cable) and DC power cables
Wmkit-POC465AWP	Wall-mount assembly for POC-465AWP