



ARTS-7550

IP69K Waterproof Fanless Computer with Intel® Amston Lake CPU



Features

- IP69K-rated dustproof and waterproof
- Intel® Amston Lake x7433RE processor
- Rugged -40°C to 70°C fanless operation
- 2 x 2.5GbE LAN ports via M12 X-coded
- 2 x isolated CAN FD, 1 x isolated RS-232, and 1 x isolated RS-232 (optional)/422/485 via M12 A-coded connector
- 1 x M.2 B-key w/ 1 x nano SIM card slot for Wi-Fi/BT/4G/5G/GPS
- 1 x HDMI waterproof connector
- 8V to 35 V DC input with built-in ignition power control
- E-Mark compliant & MIL-STD-810H Shock/ Vibration certified
- Support dTPM2.0 & Windows® 11

System

CPU	Intel® Amston Lake x7433RE processor (Quad-Core SoC, 3.4GHz, TDP 9W)
Memory	1 x DDR5 SO-DIMM sockets, support 4800MHz up to 16GB
Graphics	Integrated Intel® UHD Graphics
LAN Chipset	2 x Intel® i226-IT 2.5GbE controller
TPM	Support dTPM2.0

I/O

Serial Port / CANBus	2 x isolated CAN FD, 1 x isolated RS-232, and 1 x isolated RS-232 (optional)/422/485 via one combo M12 A-coded connector
USB Port	2 x USB 2.0 ports via one M12 A-coded connector
LAN	2 x 2.5GbE LAN ports via two M12 X-coded connectors
Display	1 x HDMI waterproof connector, resolution up to 3840 x 2160@60Hz
Expansion Bus	1 x M.2 B-key 2242/3042/3052 (PCIe Gen3 x1 + USB3.0 +USB2.0), w/ 1 x nano SIM card slot for 4G/5G/GPS module <i>*Outside accessible SIM slot</i>
Sensors	Onboard G-sensor / Gyroscope combining accelerometer (G-Sensor) and Gyroscope

Storage

Type	1 x M.2 M-key 2280 (SATA3 + PCIe Gen3 x2) for storage
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Power Requirement

Power Input	8 - 35V DC-input with ignition power control via one M12 L-coded connector
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Environmental

Operating Temp.	-40°C ~ 70°C (-40 ~ 158°F)
Storage Temp.	-40°C ~ 85°C (-40 ~ 185°F)
Operating Humidity	10% ~ 90%, non-condensing
Vibration	MIL-STD-810H, Method 514.8, Category 4
Shock	MIL-STD-810H, Method 516.8, Procedure I

Mechanical

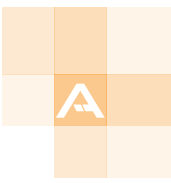
Button	1 x Waterproof power button with LED
SIM Slot	1 x Outside accessible SIM card slot (waterproof)
Antenna	4 x Antenna holes
Mounting	Wall-mount (standard accessories)
Weight	1.2kg
Dimensions (W x H x D)	106 x 78 x 159 mm (4.17" x 3.07" x 6.26")
Waterproof	IP69K Waterproof

Qualification

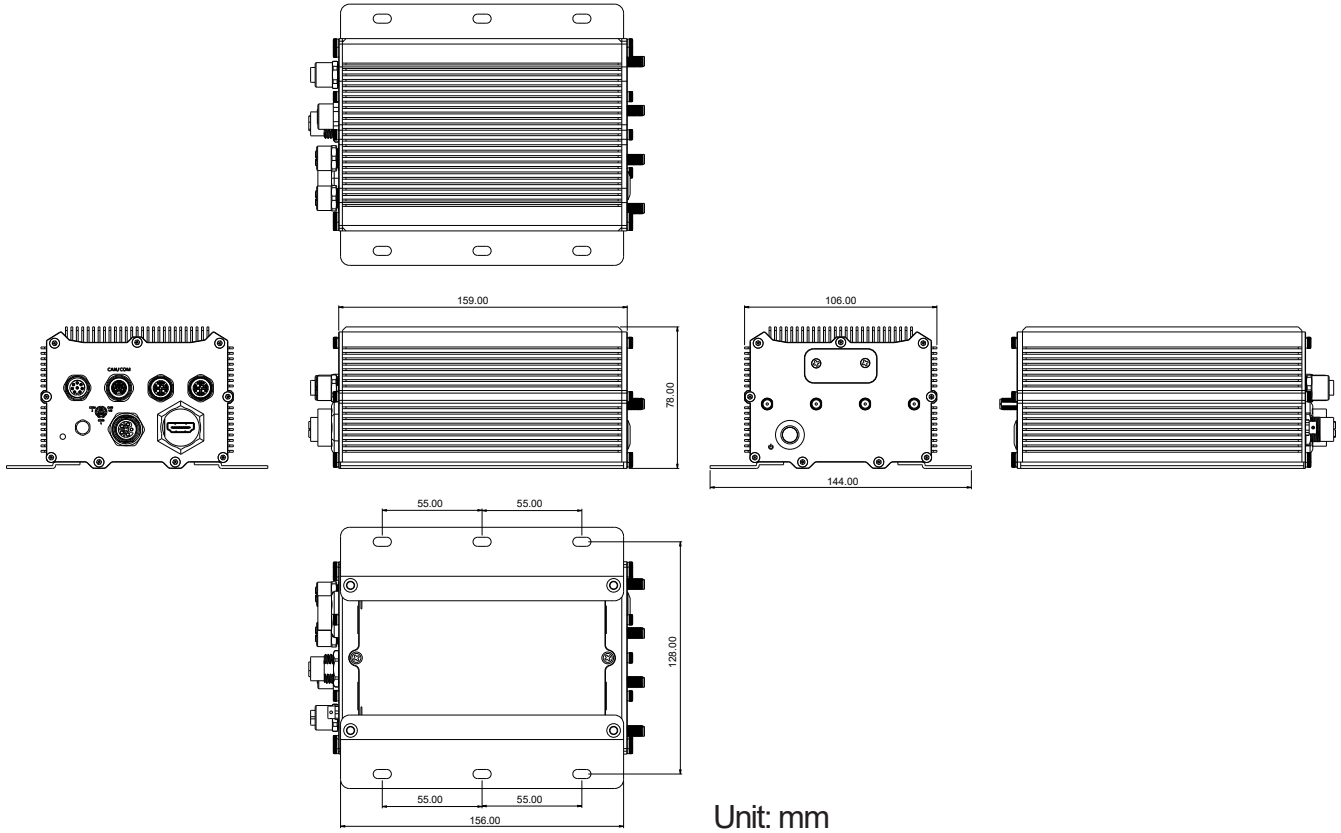
Certification	CE/FCC Class A, E-Mark compliant
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OS Support

Windows® 10 / Windows® 11 / Linux Ubuntu 22.04
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Dimension



Standard Accessories

WMK-7550 Wall Mounting Bracket Kit for ARTS-7550 Series



Optional Accessories

PAC-60W8A-MW-ES 12V/5A, 60W AC/DC Adapter, -30~+70°C, w/ EU & USA Power Cord



CBL-M12L5-PWR-200CM Power Cable, M12 5P(L-CODED) TO 3P OPEN, Length: 200CM



CBL-M12-7550 ARTS-7550 M12 cable kit, including:
2x CBL-M12X8M-RJ45-50CM
1x CBL-M12A8M-2U2TA-50CM
1x CBL-M12A17M-3DB9-50CM



WiFi-MT1440 MediaTek MT7921AUN M.2 B-Key Wi-Fi 6E+BT Module Kit (w/ 2 x 25cm RF Cable)



ANT-P15 IP67 2.4G/5G/6G WIRELESS ANTENNA KIT W/ CABLE FOR WiFi-MT1440

