Sistema Embedded > Embedded System Rugerizados

SWBOX-ASL

Stainless Waterproof/Fanless Embedded Computer



Features

» Intel Atom® x7000RE Series (Amston Lake)

» SUS304 stainless; full-body IP69K

» M12 waterproof I/O; 2 x 2.5GbE (M12)

» Rich M12 ports: USB, COM, DIO (optional)

» 10-28V DC via M12

Specifications

Form factor	
SBC Form Factor	» Supported CPU:
	Intel Atom® x7000RE Series (Amston Lake)
	Intel® Atom™ x7433RE on-board CPU
	Intel® Atom™ x7835RE on-board CPU
	» Chipset: SoC
	» System Memory: 1 x SO-DIMM DDR5 4800 (8GB pre-installed) (up to 16GB)
	» Power: 10-28V DC via M12 (5-pin, A-Code, male)
I/O Interface	
I/O Ports	» USB:
	1 x USB 3.2 Gen1 (M12, 8-pin, X code, female)
	2 x USB 2.0 (M12, 8-pin, A code, female)
	» Ethernet:
	2 x 2.5GbE (M12, 8-pin, X code, female, Intel ® I226-IT controller)
	1 x 1GbE Fiber LAN (waterproof I/O connector) via fiber module (Optional)
	» Display:
	2 x HDMI™ 1.4b (Waterproof connector, female)
	» COM Port:
	2 x RS232/422/485 (2.0 KV isolation)(M12, 12-pin, A code, female)
	» DIO:
	1 x 8Bit GPIO (M12, 12-pin, A code, female)
	» CAN:
	2 x CANBUS (2.0 kV isolation)(M12, 8-pin, A code, female)
Expansion Slots	
Expansion Slots	» M.2:
	1 x 2280 M-key (PCIe Gen3 x2)
	1 x 2230 A-key (PCIe Gen3 x1 /USB 2.0)
	1 x 3042/52 B-key (PCIe Gen3 x1 /USB 2.0)
	1 x On-board SIM card socket (hinge type) for M.2 B key
System	
Cooling method / System Fan	Fanless
Drive Bays	1 x 2.5” SATA 6Gb/s HDD/SSD bay
Indicator&Buttons	
Buttons	1 x Power button
Physical Characteristics	
Construction	SUS304 enclosure, brushed finish

Color	
Color	Natural (brushed stainless steel)
Dimensions	
Dimensions	226.4 x 178.5 x 81 mm
Weight	
Weight	2.58kg / 4.15kg
Environment	
Operating Temperature	-40°C ~ 70°C (SSD)
Humidity	10% ~ 95%, non-condensing
Operating Vibration	Random Vibration Mode, MIL-STD-810H 514.8C-I (SSD)
Operating Shock	IEC68-2-27 half-sine, 5G, 11ms, 100 shocks (SSD)
Safety & EMC	CE, FCC
OS Compatible	
OS Compatible	Windows® 10/11 IoT Enterprise/ Linux

Ordering Information

SWBOX-ASL-R4C-R10	Ruggedized Fanless Embedded System with Intel® Amston Lake x74835RE Processor, pre-installed 1x 8GB DDR5, 2.5GbE, RS232/422/485, CAN BUS, GPIO, 10~28V DC, M12 waterproof, Stainless Steel Chassis, Full body IP69K, R10
SWBOX-ASL-R3C-R10	Ruggedized Fanless Embedded System with Intel® Amston Lake x7433RE Processor, pre-installed 1x 8GB DDR5, 2.5GbE, RS232/422/485, CAN BUS, GPIO, 10~28V DC, M12 waterproof, Stainless Steel Chassis, Full body IP69K, R10

Packing List

1 x Power Cable	1 x USB2.0 Cable
1 x LAN Cable	4 x Mounting bracket