



Features

- Intel® Elkhart Lake SoC Processor
- 1 x DDR4 3200MHz SODIMM up to 32GB
- 4 x 2.5GbE Ethernet Ports
- TPM 2.0
- M.2 2230 E-key x 1, M.2 2242 M-key x 1, M.2 3042 B-key x 1



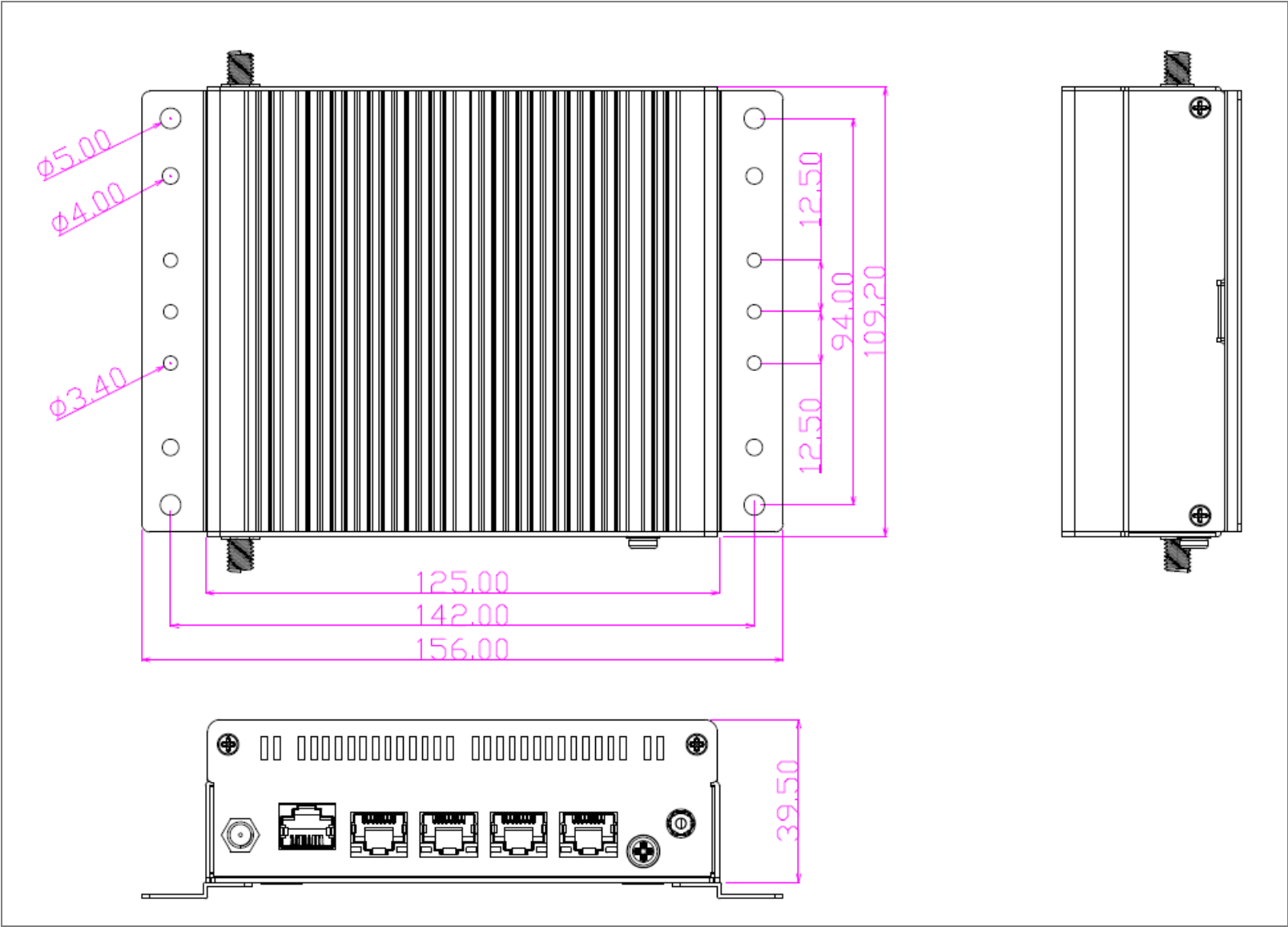
Specifications

System	
CPU/GPU	Intel® Elkhart Lake SoC Processor (J6412)
Memory	1 x DDR4 3200MHz SO DIMM up to 32 GB
Storage	64GB eMMC Onboard 1 x M.2 M key (2242, PCIe Gen.3 x2/SATA interface) support NVME, (co layout M.2 B key) *Note: This M key is designed with B key slot, please use the B/M key M.2 card for storage expansion
Real time clock	Yes
Indicators	Power LED
Cellular	Support
Wireless	Support
Operating System	Windows 11, Linux
Power Supply	
Power Requirement	DC 12V Power input
Power Consumption	--
MTBF (Hours)	--
Environmental and Mechanical	
Dimension	125 x 109 x 39.5 mm
Weight	880g
Mouting/Installation	TBD
Operating Temperature	-20°C to 60°C
Storage Temperature	-40°C to 85°C
Operating Humidity	10~85% (non-condensing)
Certification	
Regulations	CE, FCC, LVD

Interface	
Serial Port	1 x COM (RJ45 Type)
CAN Bus	--
Ethernet	4 x Intel i225-V 2.5GbE
USB	1 x USB 3.1 1 x USB 2.0
DI/DO	--
Audio	--
Display	1 x HDMI 2.0
Power Connector	DC Jack
Expansion Slot	1 x M.2 E-key key (2230, PCIe Gen.3 x1/USB2.0 interface) 1 x M 2 B key (3042/3052, USB3.1 interf ace) 1 x SIM Card Holder (If you use M.2 B-key type 3042/3052 card, M.2 M key type 2242 is not available;vice versa)
Other Interface	Power Button Reset

Dimension

Unit: mm / inch



Ordering Information

Part Number	Packing List
Intel Elkhart Lake SoC Processor J6412 CPU	1. IES-20A1 2. Screws Package 3. Wall Mount

Optional Accessories

Part Number / Item			
4AR33-1203A-TD1	Adapter DC 12V		
4AR31-12033-US1	Power Cord		