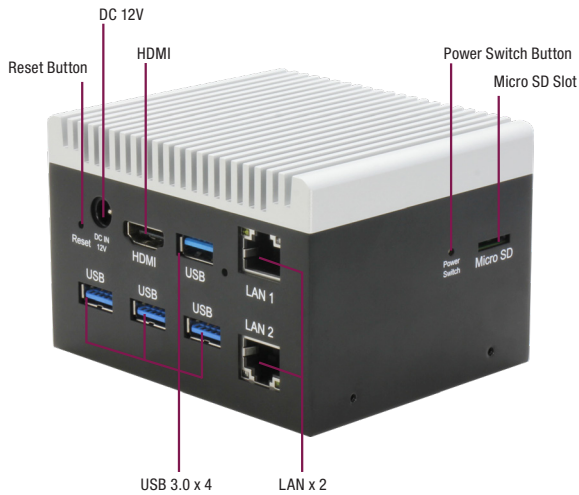


Standard IoT Gateway System with Intel Atom X5-E3940 Processor SoC

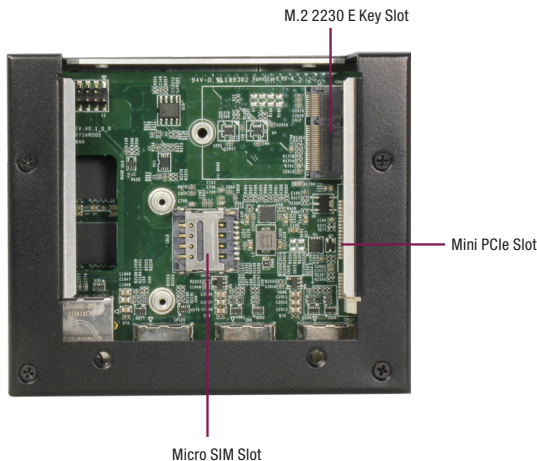
Front View



Rear View



Bottom View



Features

- Intel Atom X5-E3940 Quad Core 1.6GHz
- Onboard LPDDR4 4 GB / eMMC 32G
- Built-in Micro SD Card Slot x 1
- HDMI output x 1
- Gigabit Ethernet RJ-45 x 2 LAN port
- USB 3.0 x 4
- M.2 E key x 1 (For Wifi/BT Module)
- Mini PCIe connector x 1 (For 4G LTE Module)
- CE-RED Certified

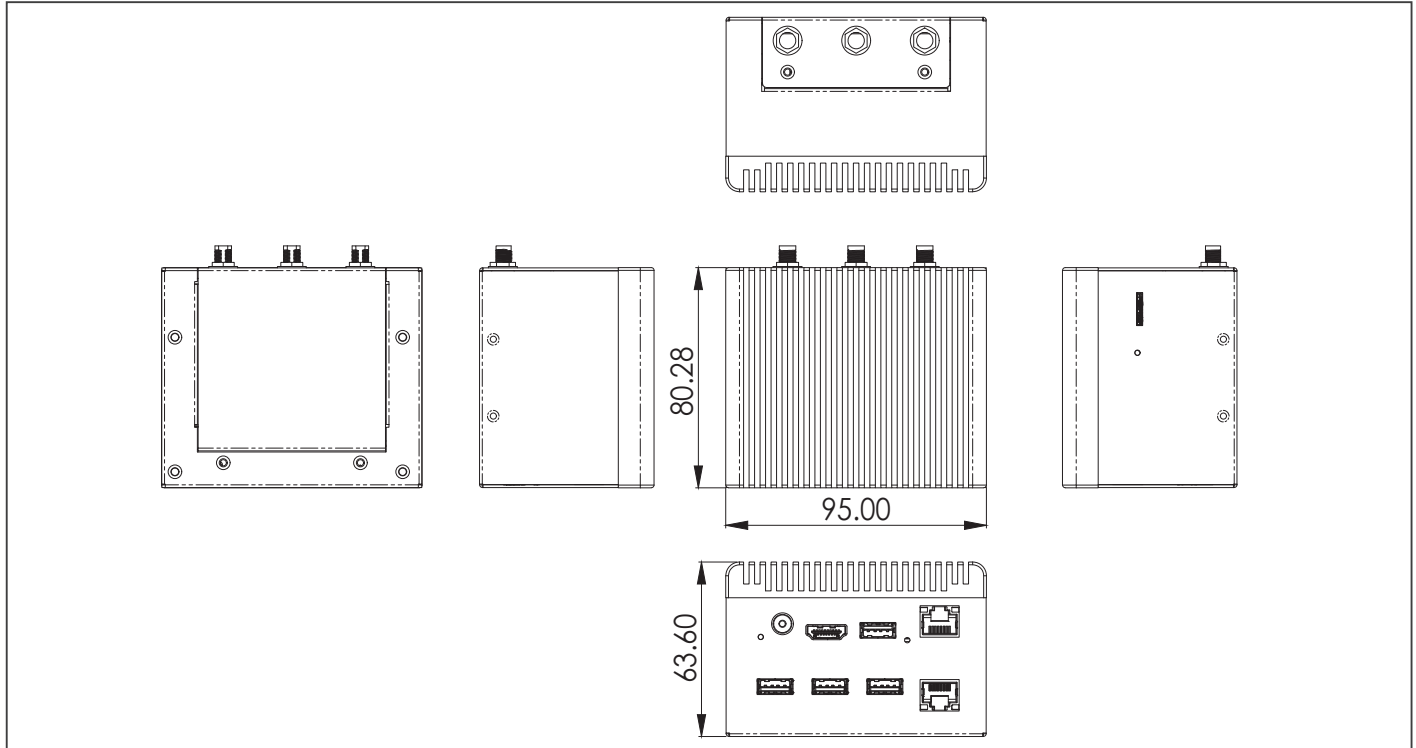


Specifications

System	
Processor	Intel Atom X5-E3940 Processor SoC / Intel HD 500 Graphics
Memory	Onboard LPDDR4 1866MHz 4GB / 8GB (Optional)
Storage	eMMC 5.1 32GB / 64GB (Optional)
Real Time Clock	RTC x 1, with 3V CR2032 Lithium battery
Security	—
Indicators	—
Cellular	Mini PCIe Connector x 1
Wireless Lan	M.2 2230 E Key slot x 1
Operating System	Windows 10 IoT Enterprise / Linux (by request)
Support Protocol	—
I/O Interfaces	
Serial Port	—
Ethernet	Gigabit Ethernet x 2, RJ-45
USB	USB 3.0 x 4, Type A
ADC	—
DI/DO	—
CAN Bus	—
Display	HDMI 1.4 x 1
Power Connector	DC Jack
Debug Port	—
Expansion Slot	SIM card slot x 1 Micro SD slot x 1
Other Interface	Power switch button x 1 Reset switch button x 1 Antenna x3 (Optional)
Power Supply	
Power Requirement	12V DC-In @ 3A-5A 5.5/2.5 mm
Power Consumption	20 W (Full Loading)
MTBF (Hours)	516,789
Environmental and Mechanical	
Dimension	3.16" x 3.7" x 2.5" (80.28 x 95 x 63.6 mm)
Weight	1.94lb (880g)
Mount Options	Wall Mount / DIN Rail (Optional)
Operation Temperature	32 °F ~ 140 °F (0 °C ~ 60 °C)
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 80 °C)
Operation Humidity	10% ~ 95% relative humidity, non-condensing

Dimension

Unit: mm



Ordering Information

Part Number	CPU	Memory	Thermal	Ports	Storage	LAN	USB	Expansion slot	Power	Operation Temp.	Others
SRG-APL-A10-0432	Intel Atom X5-E3940, 1.6GHz	Onboard LPDDR4 1866MHz 4GB	Fanless	HDMI x 1 (Output)	eMMC 32GB, MicroSD x1	GbE x 2	USB 3.0 x 4	Mini PCIe slot x 1, M.2 2230 E Key slot x 1 SIM card socket x 1	DC 12V	0°C ~ 60°C @ 0.5 m/s airflow	4G LTE & Wi-Fi/BT Module (Optional)
SRG-APL-A10-0832	Intel Atom X5-E3940, 1.6GHz	Onboard LPDDR4 1866MHz 8GB	Fanless	HDMI x 1 (Output)	eMMC 32GB, MicroSD x1	GbE x 2	USB 3.0 x 4	Mini PCIe slot x 1, M.2 2230 E Key slot x 1 SIM card socket x 1	DC 12V	0°C ~ 60°C @ 0.5 m/s airflow	4G LTE & Wi-Fi/BT Module (Optional)
SRG-APL-A10-0464	Intel Atom X5-E3940, 1.6GHz	Onboard LPDDR4 1866MHz 4GB	Fanless	HDMI x 1 (Output)	eMMC 64GB, MicroSD x1	GbE x 2	USB 3.0 x 4	Mini PCIe slot x 1, M.2 2230 E Key slot x 1 SIM card socket x 1	DC 12V	0°C ~ 60°C @ 0.5 m/s airflow	4G LTE & Wi-Fi/BT Module (Optional)
SRG-APL-A10-0864	Intel Atom X5-E3940, 1.6GHz	Onboard LPDDR4 1866MHz 8GB	Fanless	HDMI x 1 (Output)	eMMC 64GB, MicroSD x1	GbE x 2	USB 3.0 x 4	Mini PCIe slot x 1, M.2 2230 E Key slot x 1 SIM card socket x 1	DC 12V	0°C ~ 60°C @ 0.5 m/s airflow	4G LTE & Wi-Fi/BT Module (Optional)
SRG-APL-A10-WB-0432	Intel Atom X5-E3940, 1.6GHz	Onboard LPDDR4 1866MHz 4GB	Fanless	HDMI x 1 (Output)	eMMC 32GB, MicroSD x1	GbE x 2	USB 3.0 x 4	Mini PCIe slot x 1, M.2 2230 E Key slot x 1 SIM card socket x 1	DC 12V	0°C ~ 60°C @ 0.5 m/s airflow	Wi-Fi/BT Module

Installation Scenario



DIN-Rail Mount Illustration



Wallmount Illustration

Packing List

- SRG-APL

Optional Accessories

- **9741EG25G0**
PCIe mini card. 4G LTE module. For Global Band. with cable & antenna. Quectel. EG25-G
- **9686Y00173**
M.2 2230 E Key Wireless module. 802.11a/b/g/n/ ac.with BT5.0.Enli.ENL-R8822CE
- **9651SAPL01**
Wall mount kit. 80x18mm. SRG-APL series
- **9651SAPL02**
DIN rail kit. 47x25mm. SRG-APL series
- **1255300409**
12v/3.34A. Power Adapter
- **1702031802**
POWER CORD.1.8M. for USA
- **1702031803**
POWER CORD.1.8M. for EU
- **170203180E**
POWER CORD.1.8M. for Japan.