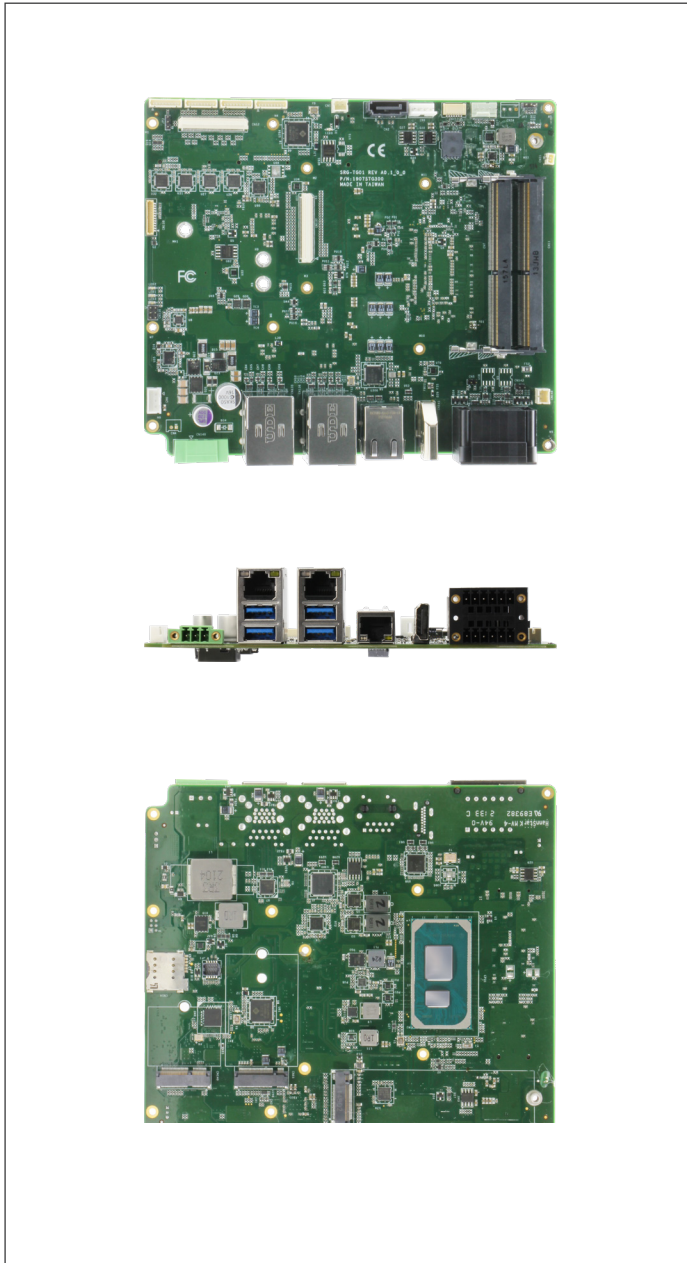


# SRT-TG01 PRELIMINARY

Standard IoT Gateway System with 11th Generation Intel® Core™ i7/i5/i3/Celeron® Processor SoC



## Features

- 11th Generation Intel Core i7/i5/i3/Celeron Processor SoC
- DDR4 3200MHz, SO-DIMM x 2, up to 64GB
- USB 3.2 Gen 1 x 3, USB 3.2 Gen 2 x 1
- HDMI 2.0b x 1 (Output)
- GbE x2 (Intel I219, I211) + 2.5 GbE x1 (Intel I225)
- M.2 3052 B Key x1, M.2 2280 M Key x1, M.2 2230 E Key x1
- DC 9 ~ 36V Power Input
- 2 x 100 pin board to board connector PCIE, USB3.0, USB2.0, UART, GPIO, I2C, DDI, SPI



Ethernet	Intel ©i211-LM,10/100/1000Base x 1,RJ45 Intel ©i219-LM,10/100/1000Base x 1,RJ45 Intel ©i225-LM,10/100/1000Base x 1,RJ45 (Support Vpro)
USB	USB3.2 Gen 2 x 1, Type A USB3.2 Gen 1 x 3, Type A
ADC	—
DI/DO	8 bit, Phoenix Connector
CAN Bus	CAN 2.0 B x 2 CH, Phoenix Connector
Display	HDMI 2.0b x 1 Dual Channel 18/24bit LVDS/eDP x 1
Power Connector	3 Pin Phoenix Connector
Debug Port	Micro SIM slot x 1
Expansion Slot	SATA 3.0 x 1 SATA Power connector x 1 (5V) 100 pin board to board connector x 2 PCIE, USB3.0, USB2.0, UART, GPIO, I2C, DDI, SPI
Other Interface	Power switch button x 1 Reset switch button x 1
<b>Power Supply</b>	
Power Requirement	DC 9 ~ 36V (Optional DC12V), AT Type
Power Consumption	TBD
MTBF (Hours)	TBD
<b>Environmental and Mechanical</b>	
Dimension	6.64" x 5.8" x 1.67" (168.7 x 148 x 42.6 mm)
Weight	TBD
Mount Options	—
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

## Specifications

System	
Processor	11th Generation Core Intel® i7-1185G7E SoC 11th Generation Core Intel® i5-1145G7E SoC 11th Generation Core Intel® i3-1115G4E SoC 11th Generation Core Intel® Celeron 6305E SoC
Memory	2 x DDR4 3200MHz, SO-DIMM Up to 64GB
Storage	M.2 2280 M Key slot x 1 (PCIe4) 2.5" SATA SSD/HDD bay x 1
Real Time Clock	RTC x 1, with 3V CR2032 Lithium battery
Security	TPM 2.0
Indicators	—
Cellular	M.2 3052 B Key slot x 1 (4G/5G)
Wireless Lan	M.2 2230 E Key slot x 1 (Wifi 802.11 ac/b/g/n, BT 5.0)
Operating System	Windows 10 IoT Enterprise / Ubuntu 20.04 (by request)
Support Protocol	—
I/O Interfaces	
Serial Port	RS-232/422/485 x 4, Wafer Box

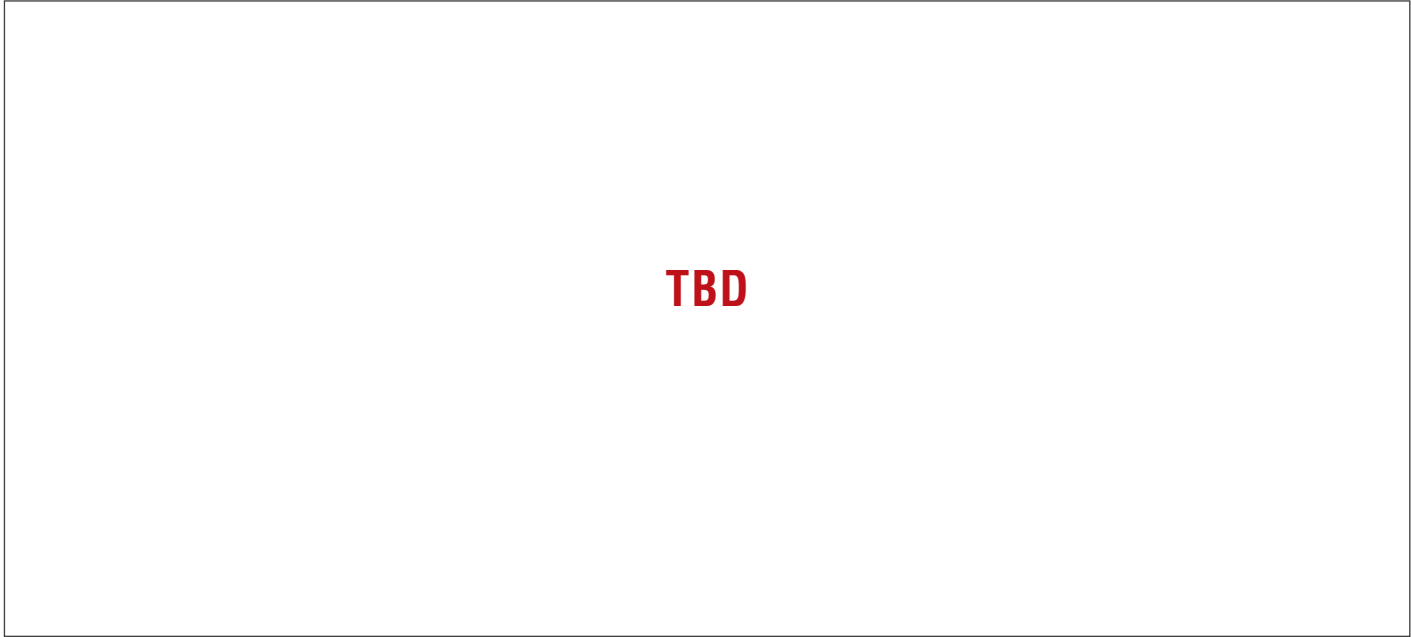
## Packing List

- SRT-TG01

## Optional Accessories

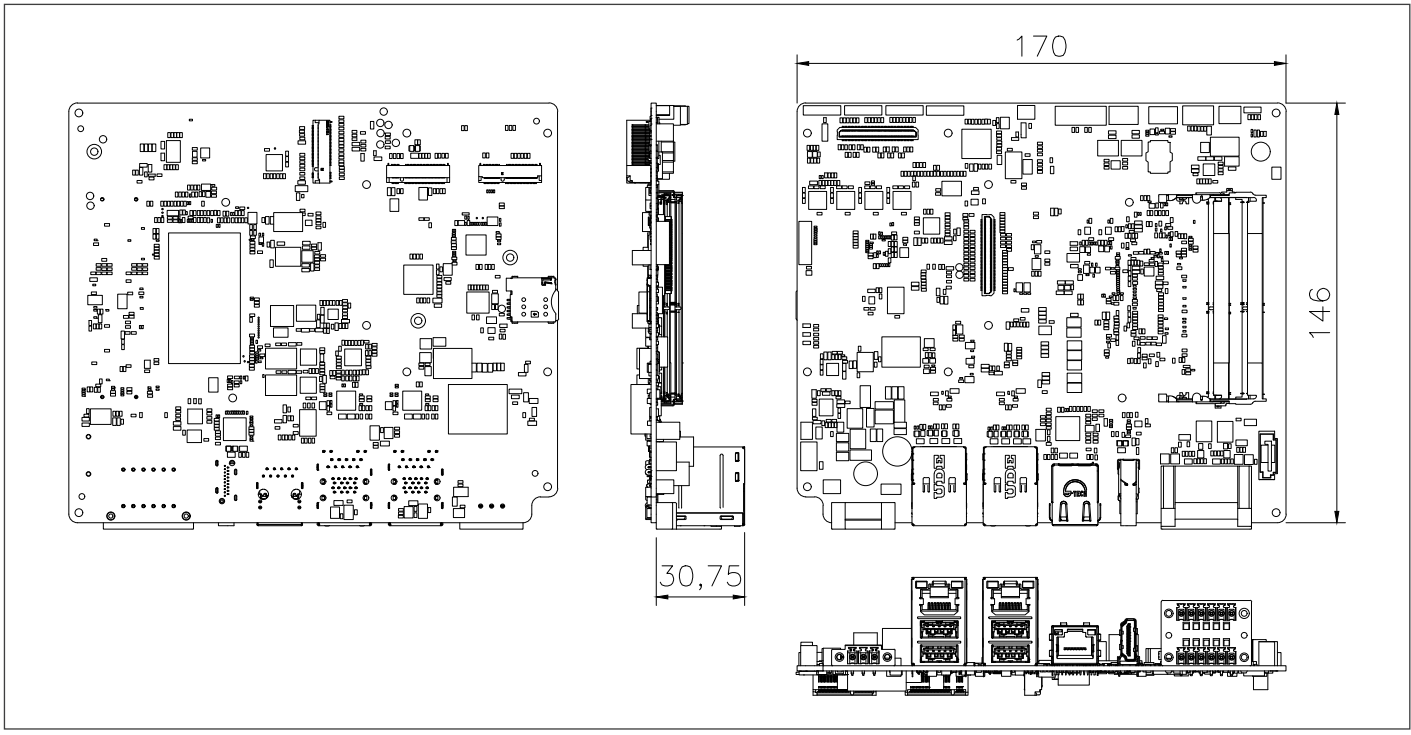
- **1255300611**  
Power Adapter.DC.100/240V.12V.5A.60W.2p phoenix P=3.81mm.FSP.FSP060-DHAN3/9NA0608085
- **9686Y00124**  
M. 2 3042 LTE Cat4 module,for global market. SIMCOM. SIM7600G-H with LTE antenna
- **9741364A00**  
M.2 2230 Wireless.802.11 ac/a/b/g/n + BT 5.0.2T2R,Enli QCNFA364A.w/2 sets of cable and antenna
- **1702031802**  
POWER CORD.3P-125V 10A 180D.1.8M.USA.FANJET. YP12/YC-12
- **1702031803**  
POWER CORD.3P-250V 10A 180D.1.8M.EU.FAN-JET. YP-22/YC-12
- **170203180J**  
POWER CORD.3P-250V 13A.UK.type.1830mm
- **1702031811**  
POWER CORD.3P-125V.10A.180D.1.8M.TWN/BSMI. FANJET.YP-12/YC-12
- **170203180E**  
Power cord.3P.125V/7A.1.8M.PSE YP12/YC12 Certificat

## Block Diagram



## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	Memory	Thermal	Ports	Storage	LAN	USB	Expansion slot	Power	Operation Temp.	Others
SRT-TG01-A10-0701	11th Generation Core Intel® i7-1185G7E SoC	DDR4 3200MHz, SO-DIMM x 2, Up to 64GB	Fanless	HDMI 2.0b x 1, RS-232/422/485 x 4, CAN 2.0B x 2, DIO x 8	SATA 3.0 x 1 M.2 M Key 2280 x 1	GbE x 2 2.5 GbE x 1	USB 3.2 x 1 USB 3.0 x 3*	M.2 B Key 3042 x 1 M.2 E Key 2230 x 1 M.2 M Key 2280 x 1	DC 9 ~ 36V	0°C ~ 60°C @ 0.5 m/s airflow	3G/4G LTE module WiFi/BT module (optional)
SRT-TG01-A10-0501	11th Generation Core Intel® i5-1145G7E SoC	DDR4 3200MHz, SO-DIMM x 2, Up to 64GB	Fanless	HDMI 2.0b x 1, RS-232/422/485 x 4, CAN 2.0B x 2, DIO x 8	SATA 3.0 x 1 M.2 M Key 2280 x 1	GbE x 2 2.5 GbE x 1	USB 3.2 x 1 USB 3.0 x 3*	M.2 B Key 3042 x 1 M.2 E Key 2230 x 1 M.2 M Key 2280 x 1	DC 9 ~ 36V	0°C ~ 60°C @ 0.5 m/s airflow	3G/4G LTE module WiFi/BT module (optional)
SRT-TG01-A10-0301	11th Generation Core Intel® i3-1115G4E SoC	DDR4 3200MHz, SO-DIMM x 2, Up to 64GB	Fanless	HDMI 2.0b x 1, RS-232/422/485 x 4, CAN 2.0B x 2, DIO x 8	SATA 3.0 x 1 M.2 M Key 2280 x 1	GbE x 2 2.5 GbE x 1	USB 3.2 x 1 USB 3.0 x 3	M.2 B Key 3042 x 1 M.2 E Key 2230 x 1 M.2 M Key 2280 x 1	DC 9 ~ 36V	0°C ~ 60°C @ 0.5 m/s airflow	3G/4G LTE module WiFi/BT module (optional)
SRT-TG01-A10-0C01	11th Generation Core Intel® Celeron 6305E SoC	DDR4 3200MHz, SO-DIMM x 2, Up to 64GB	Fanless	HDMI 2.0b x 1, RS-232/422/485 x 4, CAN 2.0B x 2, DIO x 8	SATA 3.0 x 1 M.2 M Key 2280 x 1	GbE x 2 2.5 GbE x 1	USB 3.2 x 1 USB 3.0 x 3	M.2 B Key 3042 x 1 M.2 E Key 2230 x 1 M.2 M Key 2280 x 1	DC 9 ~ 36V	0°C ~ 60°C @ 0.5 m/s airflow	3G/4G LTE module WiFi/BT module (optional)

Note: All specifications are subject to change without notice.