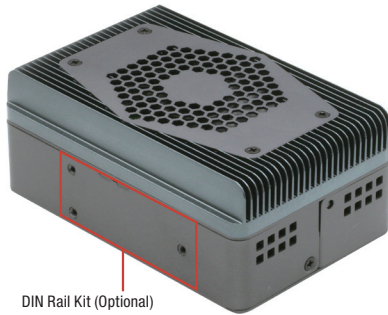


Pico-ITX TurnKit with Intel<sup>®</sup> Atom<sup>™</sup>/ Pentium<sup>®</sup> N4200/ Celeron<sup>®</sup> N3350 Processor SoC

Front View



Rear View



DIN Rail Kit (Optional)

## Features

- Extreme light system, easy to adopt everywhere
- Onboard DDR3L 2GB/4G
- Onboard Storage eMMC 32GB
- GbE x 2, HDMI x 1.4
- M.2 2280 B key for storage
- M.2 2230 E key for wireless Module
- COM x 2 (Optional)
- USB3.0 x 2 (Rear IO), USB2.0 x 1 (Optional)
- Lockable DC 12V



I/O	
Storage	M.2 2230 B key
USB	USB3.0 x 2 (Rear IO) USB2.0 x 1 (Internal option)
Audio	-
TPM	-
Serial Port	RS-232 x 1, RS-232422/485 x1 (Optional)
Certification	
Certification	CE, FCC

## Packing List

- PICO-APL4-SEMI

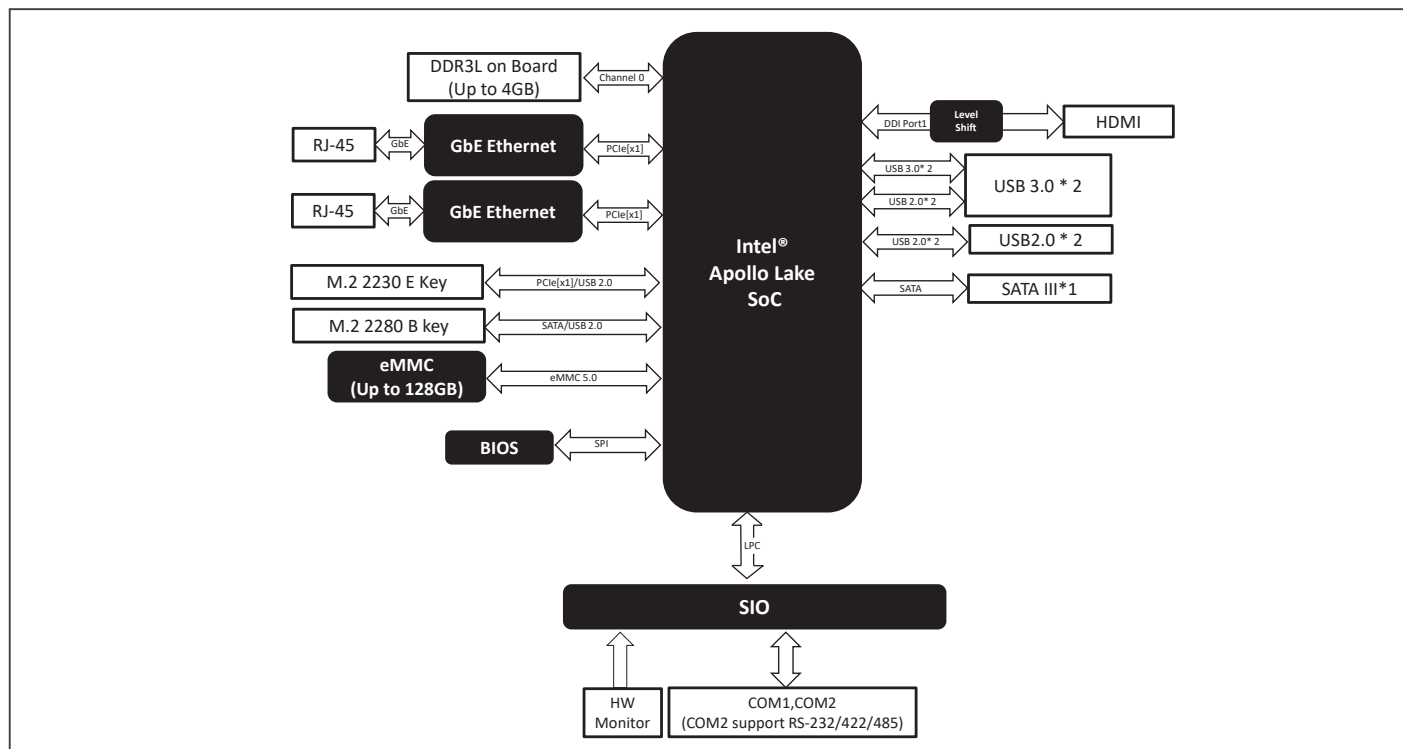
## Specifications

System	
Form Factor	Pico-ITX
Processor	Intel Apollo Lake N Series Pentium N4200 (4C): 1.1GHz, up to 2.5GHz, TDP 6W Celeron N3350 (2C): 1.1GHz, up to 2.4GHz, TDP 6W *Wait for E3900 series in 2019 within ATRF according to customer request
System Memory	DDR3L, memory down, up to 4GB
Chipset	Intel <sup>®</sup> SOC
Ethernet	GbE x 2, Realtek 8111G x 2
BIOS	AMI BIOS
Wake on LAN	Yes
Watchdog Timer	Yes
Expansion Interface	M.2 2230 E key (For WIFI/BT Module)
Power Requirement	Normal: +12V
Power Consumption	Intel <sup>®</sup> Pentium <sup>®</sup> N4200@ 1.1GHz,DDR3L 4GB 1.43A@+12V
System Size	4.8" x 3.15" x 2" (122mm x 72mm x 50mm)
Operation Temp.	32°F ~ 122°F (0°C ~ 50°C), 0.5 m/s airflow
Storage Temperature	-40°F ~ 176°F (-40°C ~ 70°C)
Humidity	0% ~ 90% relative humidity, non-condensing
MTBF	191,000
Display	
Chipset	Intel <sup>®</sup> SOC
Video Output	HDMI 1.4
Touch	-

## Optional Accessories

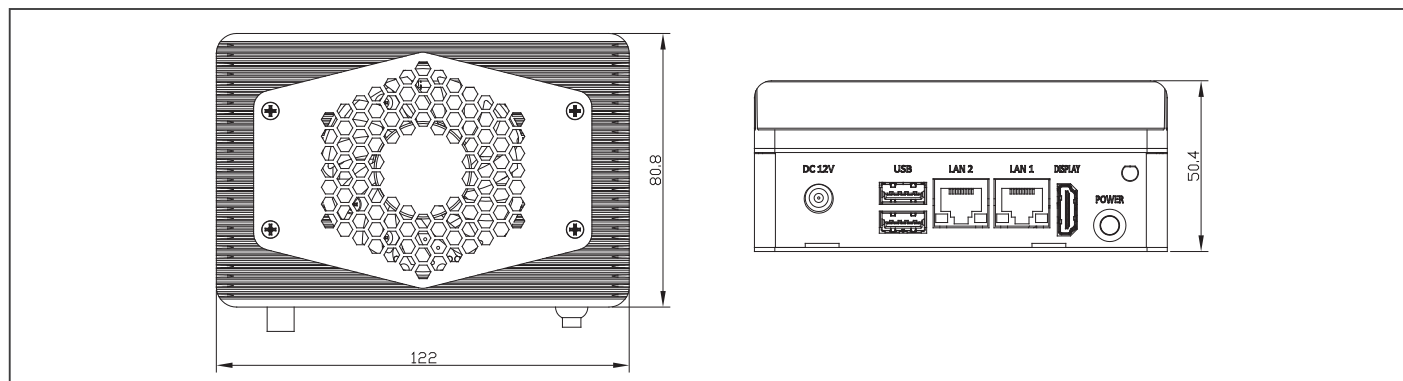
Part Number	Description	Qty.
125530040C	(TF)Power Adapter.12V.40W.FSP.FSP040-RHAN3	1
1702031802	Power Cord (US)	1
1702031803	Power Cord(European Type)	1
170203180E	Power Cord(Japan Type)	1
9761SEMI01	Din Rail Kit	1
9761SEMI00	Wall mount Kit	1
1701090122	COM Cable	2

## Block Diagram



## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	Memory	Thermal	Display	Storage	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Power Temp	Others
PICO-APL4-SEMI-A10-S003	N4200	On board DDR3L 4GB	w/Cooler	HDMI x 1	SATAIII x 1 M.2 2280 (B Key) x 1 eMMC 32GB	GbE x 2	USB 3.0 x 2 (Rear)	--	--	M.2 2230 (E Key) x 1	+12V (ATX)	0°C ~ 50°C	--
PICO-APL4-SEMI-A10-S001	N3350	On board DDR3L 2GB	w/Cooler	HDMI x 1	SATAIII x 1 M.2 2280 (B Key) x 1 eMMC 32GB	GbE x 2	USB 3.0 x 2 (Rear)	--	--	M.2 2230 (E Key) x 1	+12V (ATX)	0°C ~ 50°C	--