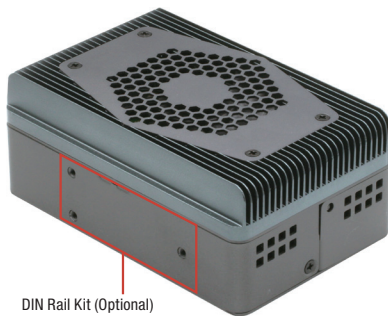


Pico-ITX TurnKit with 7th Generation Intel® Core™ i7/i5/i3/Celeron® U-Series Processor SoC

Front View



Rear View



DIN Rail Kit (Optional)

Specifications

System	
Form Factor	PICO-ITX
Processor	7th Intel® Core™ i processor U series
System Memory	DDR4 SODIMM Slot x 1
Chipset	Intel® SOC
Ethernet	GbE x 2, Realtek RTL8111E-VL-CG
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	i7-7600 @ DDR4 16GB, 12V@2.3A
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	163,000
Display	
Chipset	Intel® SOC
Video Output	HDMI 1.4
Touch	-

Features

- Extreme light system, easy to adopt everywhere
- DDR4 Non-ECC SODIMM Slot x 1, up to 16GB
- GbE x 2, HDMI x 1.4
- M.2 2242 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 2 (Optional)
- Lockable DC 12V



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

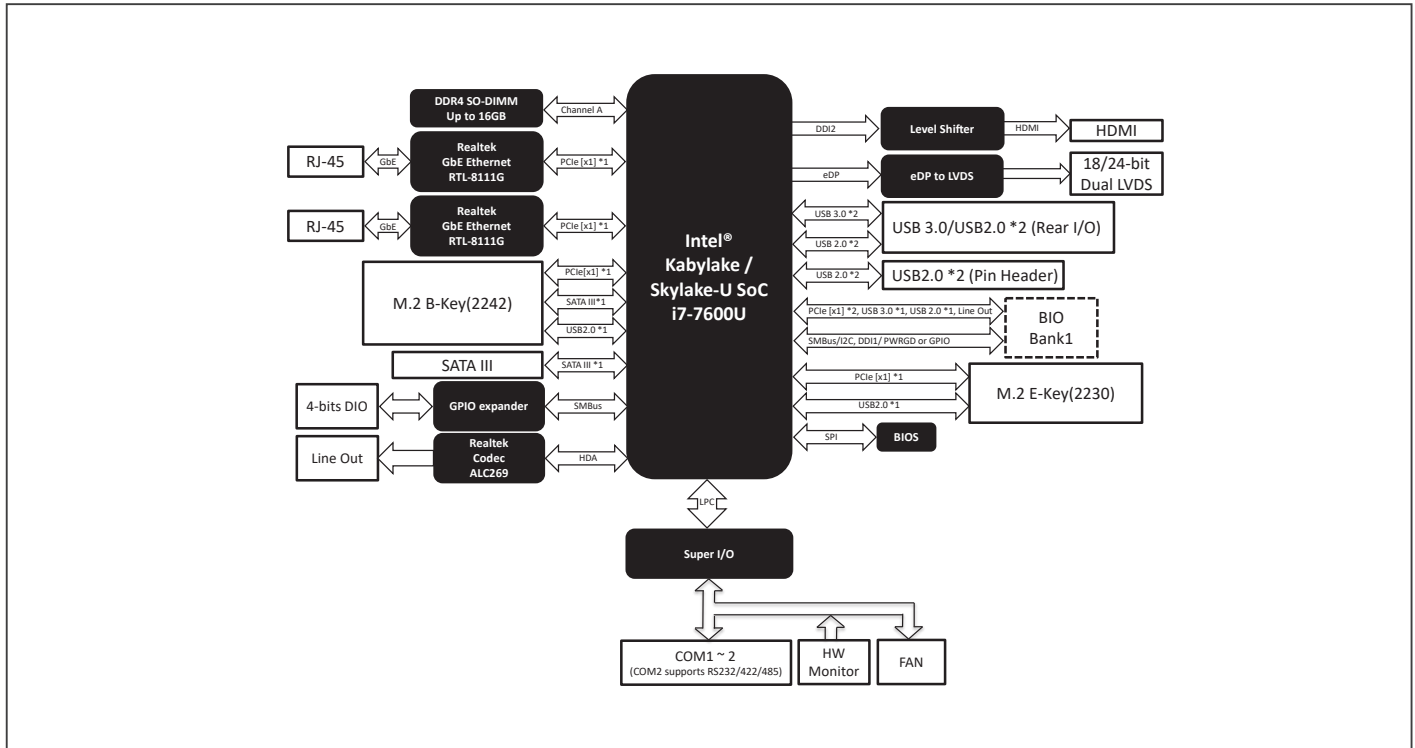
Packing List

- PICO-KBU4-SEMI

Optional Accessories

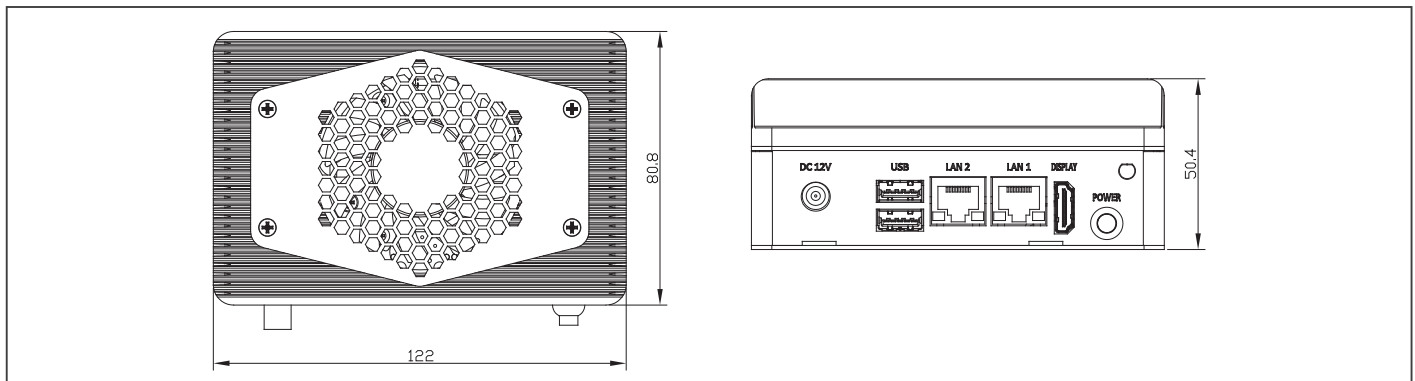
Part Number	Description	Qty.
125530040C	(TF)Power Adapter.12V.40W.FSP.FSP040-RHAN3	1
1702031802	Power Cord (US)	1
1702031803	Power Cord(European Type)	1
170203180E	Power Cord(Japan Type)	1
1701200101	M.2 2242 -D2-B-M.64GB.SATA3,MLC	1
9761SEMI01	Din Rail Kit	1
9761SEMI00	Wall mount Kit	1

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-KBU4-SEMI-A10-B001	Celeron 3965	DDR4 Socket	w/Cooler	HDMI x 1	SATAIII x 1 M.2 2242 (B Key) x 1	GbE x 2	USB 3.0 x 2 (Rear)	--	--	M.2 2230 (E Key) x 1	+12V (ATX)	0°C ~ 50°C	DIO 4 bit
PICO-KBU4-SEMI-A10-B002	i3-7100U	DDR4 Socket	w/Cooler	HDMI x 1	SATAIII x 1 M.2 2242 (B Key) x 1	GbE x 2	USB 3.0 x 2 (Rear)	--	--	M.2 2230 (E Key) x 1	+12V (ATX)	0°C ~ 50°C	DIO 4 bit
PICO-KBU4-SEMI-A10-B003	i5-7300U	DDR4 Socket	w/Cooler	HDMI x 1	SATAIII x 1 M.2 2242 (B Key) x 1	GbE x 2	USB 3.0 x 2 (Rear)	--	--	M.2 2230 (E Key) x 1	+12V (ATX)	0°C ~ 50°C	DIO 4 bit
PICO-KBU4-SEMI-A10-B004	i7-7600U	DDR4 Socket	w/Cooler	HDMI x 1	SATAIII x 1 M.2 2242 (B Key) x 1	GbE x 2	USB 3.0 x 2 (Rear)	--	--	M.2 2230 (E Key) x 1	+12V (ATX)	0°C ~ 50°C	DIO 4 bit
PICO-KBU4-SEMI-A10-B005 (6th Gen)	Celeron 3955	DDR4 Socket	w/Cooler	HDMI x 1	SATAIII x 1 M.2 2242 (B Key) x 1	GbE x 2	USB 3.0 x 2 (Rear)	--	--	M.2 2230 (E Key) x 1	+12V (ATX)	0°C ~ 50°C	DIO 4 bit