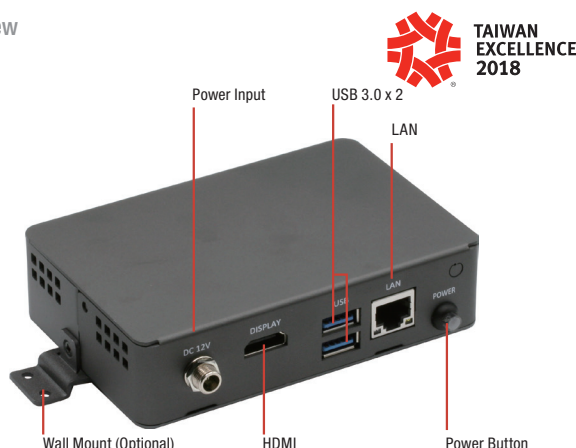
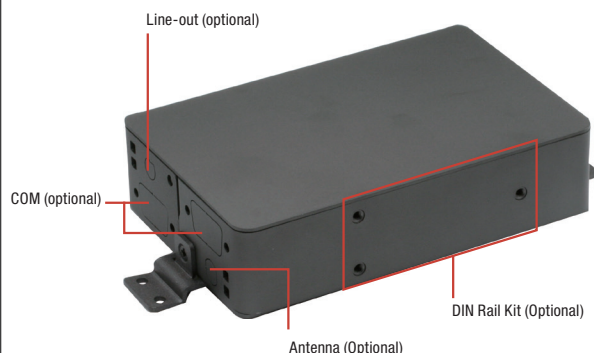


Pico-ITX Embedded Barebone Kit with Intel® Atom™ Processor SoC

Front View



Rear View



Specifications

System	
Processor	Intel® Pentium® N4200 (4C, 1.1 GHz, up to 2.5 GHz, TDP 6W) Intel® Celeron® N3350 (2C, 1.1 GHz, up to 2.4 GHz, TDP 6W)
CPU Frequency	Up to 2.5 GHz
Chipset	Intel® Pentium® N4200, Celeron® N3350
Memory Type	On board DDR3L 2GB/4GB
Max. Memory Capacity	Up to 4GB
BIOS	AMI/SPI
Wake On LAN	Yes
Watchdog Timer	255 Level
Power Requirement	+12V, AT/ATX
Power Supply Type	Lockable
Power Consumption	N4200 @ 4GB DRAM/eMMC 32GB, 12V @1.1A (Full Loading)
Mechanical	
Dimension	4.8" x 3.15" x 1.18" (122 x 80 x 30 mm) Heatsink (optional), 14mm
Gross Weight	180g
Operating Temperature	32°F ~ 122°F (0°C ~ 50°C), 0.5 m/s air flow
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Certification	CE, FCC

Features

- 180g Extreme Light System, Easy To Adapter Everywhere
- Gigabit Ethernet for Networking Connection
- USB3.0 Connectivity
- HDMI
- M.2 2280 (B) M.2 2230 (E) Slot for WiFi/3G/4G Bluetooth Module
- Fix Holes for Antenna, Wallmount, DIN-Rail Kit Optional
- Lockable 12V DC Input



I/O	
Storage/SSD	eMMC 32/64GB, up to 128GB (optional) M.2 2280 x 1 (B Key) SATA III 6.0Gb/s x 1, 5V/12V Power reserved
Ethernet	Realtek 8111G x 1, 10/100/1000 Base-TX
USB Port	USB 3.0 x 2 Rear IO
Serial Port	Optional
Audio	Optional
Expansion Slot	M.2 2230 x 1 (E-Key: PCI-E x 1, USB 2.0) M.2 2280 x 1 (B-Key: SATA, USB 2.0)

Packing List

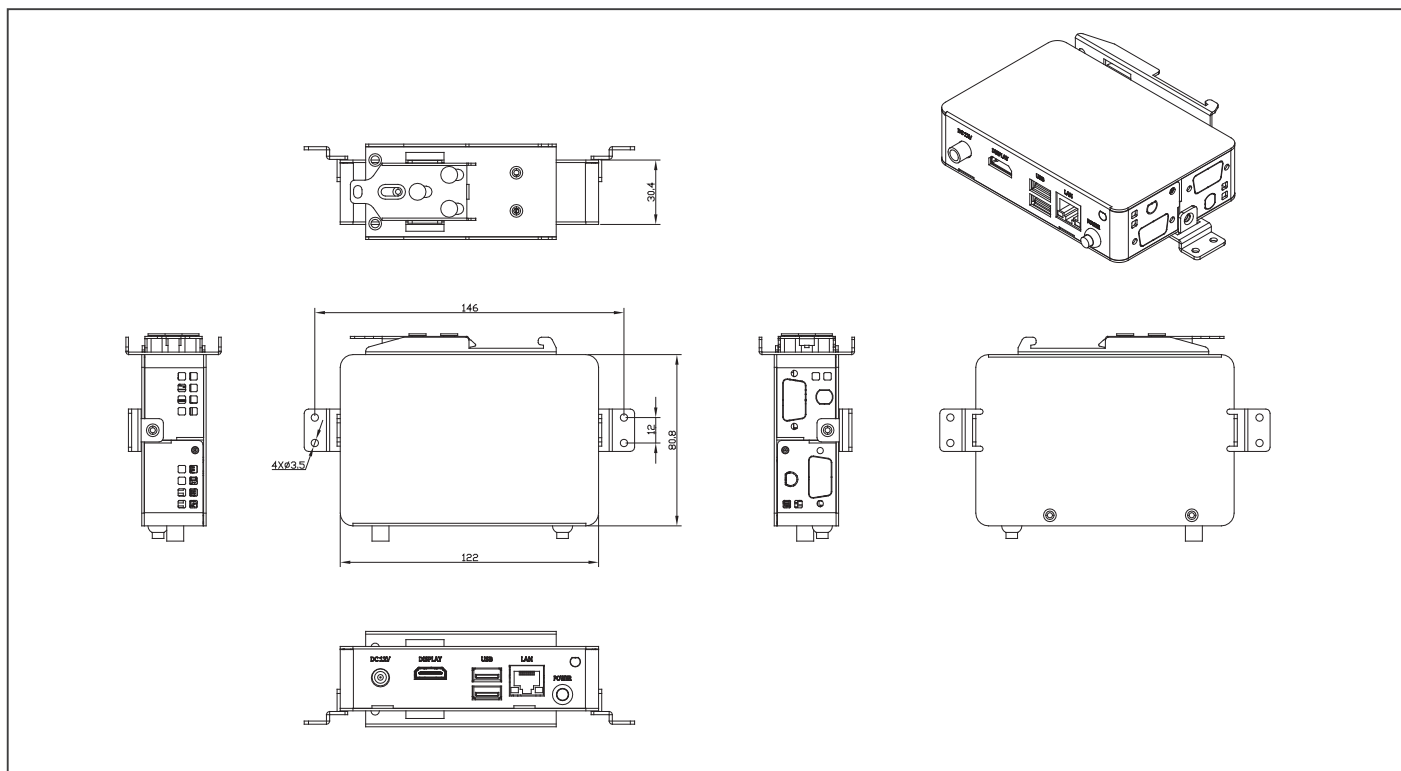
- PICO-APL3-SEMI
- Product DVD

Optional Accessories

Part Number	Description	Qty.
1255300408	40W AC to DC Power Adapter	1
1702031802	Power Cord (US Type)	1
1702031803	Power Cord (European Type)	1
170203180E	Power Cord (Japan Type)	1
1701090122	COM Port x 1 Cable	2
1703100084	Audio Line-Out	1
968C016G0V	SATA DOM 16GB (0°C ~ 70°C)	1
9761SEMI00	Wallmount Kit	1
9761SEMI01	DIN-Rail Mount Kit	1

Dimension

Unit: mm



Installation Scenario

DIN-Rail Mount Illustration



Wall Mount Illustration



DIN Rail and Wall Mount Kit are optional parts.

Ordering Information

Part Number	CPU	Memory	Thermal	Display	Storage	LAN	USB	Expansion Slot	Power	Power Temp	Others
PICO-APL3-SEMI-A10-S001	Celeron® N3350 (Dual Core)	On board DDR3L 2GB	Fanless	HDMI x 1	SATAIII x 1 M.2 2280 (B Key) x 1 eMMC 32GB	GbE x 1	USB 3.0 x 2 (Rear)	M.2 2230 (E Key) x 1	+12V (ATX)	0°C ~ 50°C @ 0.5 m/s airflow	COM (Optional) Line-Out (Optional)
PICO-APL3-SEMI-A10-S002	Celeron® N3350 (Dual Core)	On board DDR3L 4GB	Fanless	HDMI x 1	SATAIII x 1 M.2 2280 (B Key) x 1 eMMC 32GB	GbE x 1	USB 3.0 x 2 (Rear)	M.2 2230 (E Key) x 1	+12V (ATX)	0°C ~ 50°C @ 0.5 m/s airflow	COM (Optional) Line-Out (Optional)
PICO-APL3-SEMI-A10-S003	Celeron® N4200 (Quad Core)	On board DDR3L 4GB	Fanless	HDMI x 1	SATAIII x 1 M.2 2280 (B Key) x 1 eMMC 32GB	GbE x 1	USB 3.0 x 2 (Rear)	M.2 2230 (E Key) x 1	+12V (ATX)	0°C ~ 50°C @ 0.5 m/s airflow	COM (Optional) Line-Out (Optional)

* COM and Line Out features are optional by cable.