

UTX-3117

Intel Atom platform with Dual GbELAN Fanless Compact Box



Features

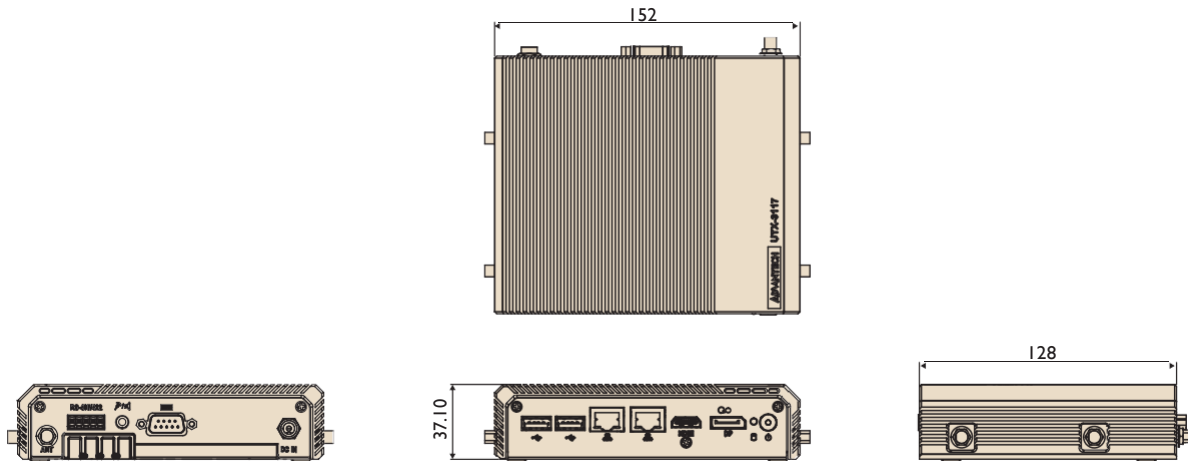
- ① Intel® Apollo Lake E3900 series & N series Processor
- ① Palm-size form factor: 128(L) x 152(W) x 37 mm(H)
- ① Supports 2 x COM port, 1 x HDMI, 1 x Display Port, 2 x USB3.0, TPM and DCIN 12~24V
- ① Built-in 1 x M.2 expansion slot (i.e.: Wi-Fi module), 1 x Half size Mini PCIe expansion slot (i.e.: Zigbee, module or mSATA) and 1 x Full size Mini PCIe expansion slot (i.e.: 3G/LTE module) with 5Antennas
- ① Supports 1 x 2.5" HDD or SSD storage
- ① Wide operating temperature -20 ~ 60°C support (With E3900 Series SoC)
- ① Complete certification for EMC and Safety

Specifications

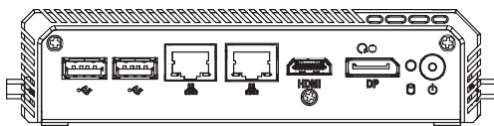
		UTX-3117
Processor System	CPU	Intel Apollo Lake E3900 & N series Processor
	L2 Cache	2MB
	BIOS	AMI EFI 16 Mbit
Memory	Technology	Dual channel DDR3L 1867MHz, up to 8GB
	Socket	Two 204-pin SO-DIMM
Graphics	Chipset	Intel Apollo Lake E3900 Series SoC Intel Apollo Lake N series SoC
	Interface	HDMI: 1, max resolution up to 3840 x 2160 @ 30Hz DP1.2: 1, max resolution up to 4096 x 2160 @ 60Hz
Ethernet	LAN	Support Dual 10/100/1000Mbps LAN LAN1: Intel I210AT LAN2: Realtek RTL8111G
I/O Interface	Serial Ports	1 x RS-232 with 5v/12v and 1 x RS-422/485 full duplex with Phoenix connector
	USB Interface	2 USB3.0 port
	SATA	1 SATA interface, support SSD
	TPM	Infineon SLB9665 chip onboard. Support TPM2.0
Expansion	Mini PCIe	1 x Half-Size Mini PCIe support Sub1G module (i.e.: Zigbee) or mSATA 1 x Full-Size Mini PCIe support 3G/LTE module with SIM holder 1 x M.2 E key support Wi-Fi module
	Storage	2.5" SSD mSATA
Software Support	Microsoft Windows	Windows 10, Yocto, Wind River Pulsar and WISE-PaaS
Power Requirement	Power Input Voltage	12 ~ 24 V
	Power Adaptor	AC to DC, DC12 ~ 24 V
Power Consumption	Typical	TBD
	Max	TBD
	Power Type	AT/ATX by Jumper option
Mechanical	Construction	Aluminum
	Mounting	Support VESA/DIN Rail/Wall Mount (Optional)
	Dimensions (W x H x D)	Chassis : 128(L) x 152(W) x 37 mm(H) Motherboard: 123.3 x 129 mm
Environmental and Certifications	Operating Temperature	E3900 Series SoC SKU -20~60° C: with RF modules (under 0.7m/s air flow) N series SoC SKU -0~55° C: with RF modules (under 0.7m/s air flow)
	Storage Temperature	-40 ~ 85° C
	Relative Humidity	95% @ 40° C (non-condensing)
	Vibration During Operation	With SSD: 3Grms, 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
	Shock During Operation	With SSD: 30G, IEC 60068-2-27, half sine, 11ms duration
	EMC	CE/FCC Class B
	Safety Certifications	CB, UL, CCC, BSMI

Dimensions

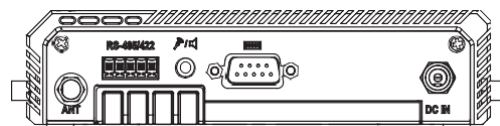
Unit: mm



Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Ordering Information

P/N	CPU	SSD	Memory	WiFi	3G/LTE	Other RF	Antenna	OS
UTX-3117FS-S6A1N	PENTIUM N4200, 4C 2M 1.1GHz	32GB	4GB X 1	NA	NA	NA	5	NA
UTX-3117FS-S6A2N	CELERON N3350 2C 2M 1.1GHz	32GB	4GB X 1	NA	NA	NA	5	NA
UTX-3117SA4-S6A1N	PENTIUM N4200, 4C 2M 1.1GHz	NA	4GB X 1	NA	NA	NA	5	NA
UTX-3117SA4-S6A2N	CELERON N3350 2C 2M 1.1GHz	NA	4GB X 1	NA	NA	NA	5	NA

Packing List

Part Number	Description
UTX-3117	1 x UTX-3117 unit
TBD	1 x Traditional Chinese user manual for CCC
TBD	1 x Startup manual
96PSA-A36W12W7	36W 12V 3A AC/DC Power Adaptor
1930000198	2x Screw M2x4L for miniPCIE module use
TBD	1xScrew M2x4L for M.2 module use

Optional Items

Part Number	Description
1700001524	Power Cable 3-pin 180cm, USA type (For power adapter 1757004096-01)
170203183C	Power Cable 3-pin 180cm, Europe type (For power adapter 1757004096-01)
170203180A	Power Cable 3-pin 180cm, UK type (For power adapter 1757004096-01)
1700008921	Power Cable 3-pin PSE Mark 183cm (For power adapter 1757004096-01)
1702002600-01	Power cable 3-pin 183 cm, USA type (For power adapter 1757004522-01)
1700018705	Power cable 3-pin 183 cm, Europe type (For power adapter 1757004522-01)
1700018704	Power cable 3-pin 183 cm, UK type (For power adapter 1757004522-01)
1700000237-01	Power cable 3-pin 183 cm, PSE type (For power adapter 1757004522-01)
TBD	UTX-3117 Vesa Mount bracket kit
TBD	UTX-3117 Wall Mount bracket kit
TBD	UTX-3117 DIN Rail bracket kit