

# Pi-CON AT-C3K

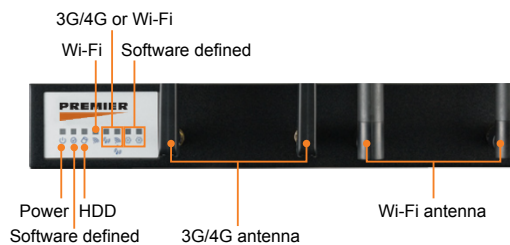
Universal Network Appliance with Intel Atom® Processor C3000 for vE-CPE and SD-WAN



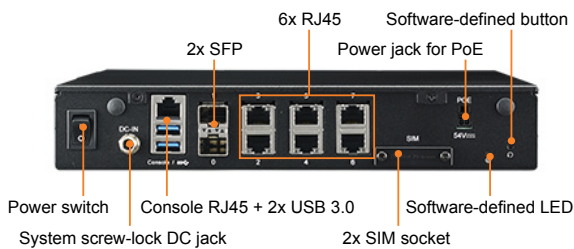
## Features

- Intel Atom C3000 system-on-chip with Intel® QuickAssist Technology at 10 Gbps and Intel® AES-NI and VT-d support
- Supports SR-IOV on all ports by Intel® SoC integrated MAC and Intel® I350 Ethernet Controller
- Optional 3G/4G LTE, and Wi-Fi connectivity for deployment flexibility
- Optional IEEE 802.at/af-compliant PoE kit to be PSE to support up to two 25.5W PD

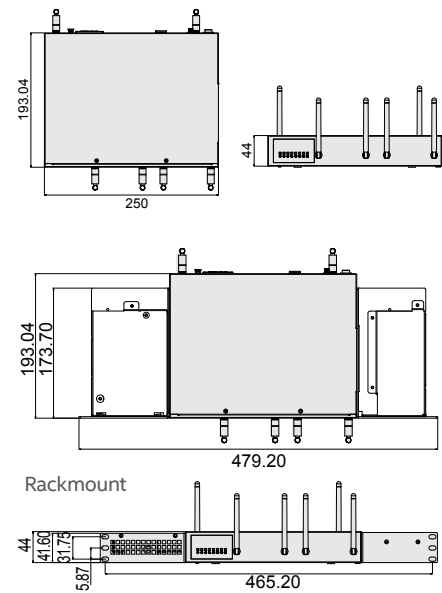
## Front Panel External I/O



## Rear Panel External I/O



## Dimensions



Unit: mm

## OPTIONAL ACCESSORIES

Console cable	TPM 1.2 Module	TPM 2.0 Module	Rackmount kit (60W) <sup>§</sup>
Rackmount kit with PoE cover <sup>§</sup>	PoE module kit (with 54V adapter) <sup>§</sup>	2.5" HDD kit <sup>§</sup>	Wi-Fi module kit (Senao PCE4302AN/antenna/SMA cable/screw) <sup>§</sup>
Power cord 3P 180 cm, USA	Power cord 3P 180 cm, EU	Power cord 3P 180 cm, UK	LTE module kit (Seirra EM7455/antenna/SMA cable/screw) <sup>§</sup>
Power cord 3P 180 cm, China	Power cord 3P 180 cm, India	Power cord 3P 180 cm, Brazil	Power cord 3P 180 cm, Korea

<sup>§</sup>Not available on all models.

## ORDERING INFORMATION

CPU	DDR4	GbE RJ45	SFP	USB 3.0	Console RJ45	2.5" HDD bracket	M.2 3042/2260/2280 B-key	M.2 3042 B-key	Full-size mini PCIe	Wi-Fi module	LTE module	PoE board	Power adapter
C3338 2 core	1	4	N/A	2	1	N/A	1	1	1	N/A	N/A	N/A	36W
C3558 4 core	2	4	2	2	1	N/A	1	1	1	N/A	N/A	N/A	60W
C3558 4 core	2	4	2	2	1	N/A	1	1	1	1	1	N/A	60W
C3758 8 core	2	6	2	2	1	1	1	1	1	N/A	N/A	N/A	60W
C3758 8 core	2	6	2	2	1	N/A	1	1	1	1	1	N/A	60W
C3758 8 core	2	6	2	2	1	N/A	1	1	1	N/A	N/A	1	60W

SPECIFICATIONS				
<b>Form factor</b>		Tabletop		
<b>Processor system</b>	Processor Core number Frequency L2 cache BIOS	Intel Atom® Processor C3338 2 2.2 GHz 2 MB/core pair AMI EFI 64 Mbit	Intel Atom® Processor C3558 4 2.2 GHz 2 MB/core	Intel Atom® Processor C3758 8 2.2 GHz 2 MB/core pair
<b>Virtualization</b>		VT-x, VT-d, EPT		
<b>Memory</b>	Technology Max capacity Socket ECC support	DDR4 1866 MHz 32 GB 1x 288-pin DIMM ECC or non-ECC	DDR4 2133 MHz 64 GB 2x 288-pin DIMM	DDR4 2400 MHz
<b>Networking</b>	Controller 1GbE	1x Marvell 88E1543 4x 10/100/1000BASE-T RJ45 port via Intel® SoC integrated MAC and Marvell 88E1543 PHY	1x Intel® I350-AM2 1x Marvell 88E1543 2x SFP via Intel® I350-AM2 4x 10/100/1000BASE-T RJ45 port via Intel SoC integrated MAC and Marvell 88E1543 PHY	1x Intel® I350-AM4 1x Marvell 88E1543 2x SFP and 2x 10/100/1000BASE-T RJ45 via Intel® I350-AM4 4x 1GbE RJ45 via Intel SoC integrated MAC and Marvell 88E1543 PHY
<b>Expansion</b>	Mini PCIe  SIM socket M.2	1x full-size Mini PCIe for Wi-Fi module with 2x antenna holes 1x half-size Mini PCIe for Wi-Fi module with 2x antenna holes (by project support) 2x Mini SIM 1x M.2 3042 B-key support USB, SATAIII or PCIe x1 with 2x SIM holders for 3G/4G module with 2x antenna holes, 1x M.2 3042/2260/2280 B-key support USB, SATA III or PCIe x1 (each M.2 with 1 SIM holder by project support)		
<b>Storage</b>	2.5" HDD/SSD	Optional 2.5" SATAIII SSD bracket (max. 9.5 mm height)		1x 2.5" SATAIII HDD/SSD bracket (max. 9.5 mm height)
<b>I/O</b>	Console port USB 3.0 LED indicator Others	1 2x USB 3.0 type A host port Power, HDD, LTE, Wi-Fi, software-defined status 1x power switch 1x software-defined button with LED indicator		
<b>TPM</b>		Optional 1.2/2.0 support by TPM module		
<b>LCD module</b>		None (option: 21 columns x4 lines text display)		
<b>Power</b>	Power type Watts Input Connector Power adapter	External adaptor 36W 100V~240V DC jack 12V 5A	60W	
<b>Environment</b>	Operating temperature (airflow 0.7 m/sec) Nonoperating temperature	0~40°C (32~104°F) -20~80°C (-4~167°F) and 40°C @ 95% RH noncondensing)		
<b>Cooling</b>		1x system fan with smart fan		2x system fans with smart fan
<b>Mechanical</b>	Construction Mounting Dimensions (W x H x D) Weight	Iron Support rack-mounting option 250 x 44 x 193.04 mm (9.8" x 1.7" x 7.5") 2.3 kg (4.8 lb)		2.4 kg (5.0 lb)
<b>OS support</b>		Linux (CentOS, Fedora, Red Hat, Ubuntu)		
<b>PREMIER SW packages</b>	QuickStart Linux Image (CentOS-based reference BSP) Individual package	afwu, lm_sensors, flashrom, Wi-Fi drivers, QMI Wireless, Intel® DPK, Intel® QAT, DUI (offline Diagnostics) DUI (offline diagnostics)		
<b>Certification</b>		CE/FCC Class B, CCC CB, UL, FCC ID, CE-RED		



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