

ambiBOX M

SPECIFICATIONS



Form Factor	ambiBOX M	
Processor	CPU	Intel® Atom® C3758
	Core Number	8C
	Frequency	2.2GHz
	TDP	25W
	QAT Technology	Yes
Memory	BIOS	AMI Efi 64Mbit
	Technology	DDR4 2400MHz
	Capacity	16GB
	Socket	1 x 260-pin SO-DIMM
Storage	ECC Support	Yes
	M.2 storage	1 x M.2 64 GB SATA 3.0 SSD
Network	Controller	Intel® SoC MAC with 1 x Marvell 88E1543 PHY, 2 x Intel® i211
	Connector	4 x 1G RJ45 + 2 x 10G/1G SFP+
	PoE	PoE is optional by project support
I/O	Console port	1 x RJ45
	USB	2 x USB3.0 Type A port
	HDMI/VGA	NA
Expansion	M.2	1 x M-key for 2280 SATAIII SSD 1 x B-key for 3042/3052 LTE/5G module 1 x E-key for 2230 Wifi module
	Mini-PCIe	NA
	SIM	Default 1 x Mini-SIM socket; 2nd Mini SIM socket for the 2nd LTE module is optional by project support
TPM		TPM2.0 on-board; None TPM is optional by project
LED		2 x Fixed LED: Power, HDD
		2 x SW defined LED: LTE, LTE&Wifi
		2 x SFP LED: SFP1, SFP2
External Power Adaptor	Power Type	ATX mode
	Watts	36W
	Input	100 ~ 240V _{AC} 50/60Hz
	Connector	DC Jack Lockable
	Output	12V _{DC} 3A, 36W
	PoE Adaptor	Option!; PoE is optional by project
Environment	Operating	-20 ~ 60 °C (-4 ~ 140 °F) (0.7m/s air flow)
	Non-operating Temperature	-40 ~ 85 °C (-40 ~ 185 °F) and 40 °C @ 95% RH Non-Condensing
Mechanical	Material	Iron chassis with aluminum heat-sink
	Dimensions	220 x 160 x 44 mm (8.7" x 6.3" x 1.7")
	Weight	2.3Kg (5.07lb)
	Mounting	Rack Mount, Wall Mount
Others	IP Rating	IP40
Certification	Safety	UL, CB, CCC
	EMC	CE EN55032/EN55024 ClassB, FCC ClassB, AS/NZS CISPR32, IEC-61000-4-5, EN 300 386
	ROHS	ROHS, REACH, WEEE

Features

- ✓ Intel® Atom® C3000-series processor
- ✓ Fan-less design
- ✓ IP40 compliance
- ✓ Wide-operating temperature support from -20 ~ 70 °C by SKU option
- ✓ Design reserved for 5G and Advanced-LTE module
- ✓ Design reserved for 802.11ax (WiFi6) module
- ✓ Reliability enhancement with better ESD/Surge protection design
- ✓ 6x ethernet interfaces with 4xRJ-45 and 2 x 10G/1G SFP+ connector

CONTACT

You can reach us here.



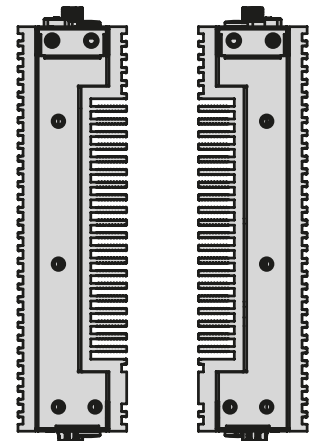
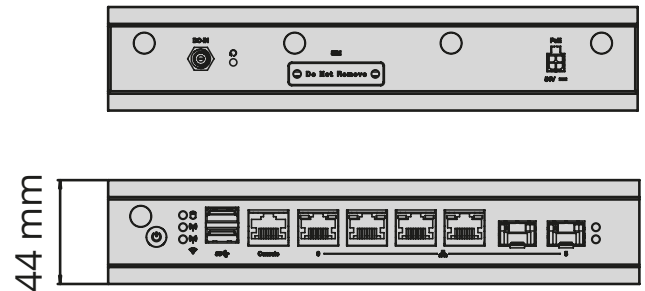
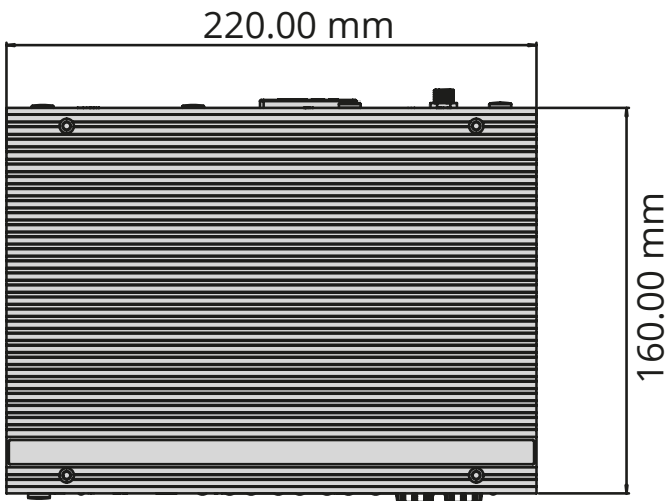
- 🏠 Fleehook 1, 48683 Ahaus, Germany
- 🌐 www.ambiFOX.com
- ✉ ambiWAN@ambiFOX.com

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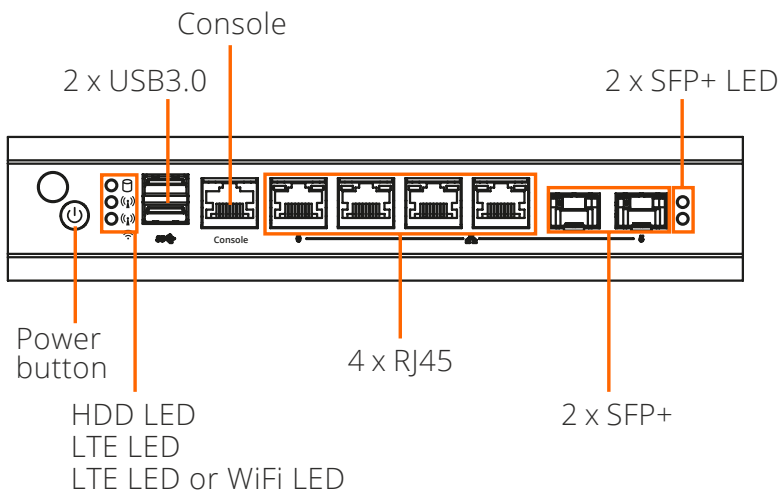
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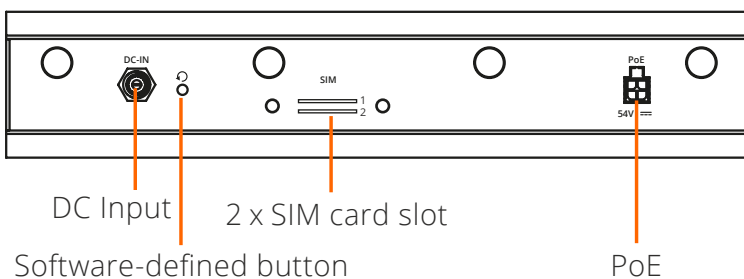
Dimensions



Front Panel External I/O Mechanical Drawing



Rear Panel External I/O Mechanical Drawing



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