



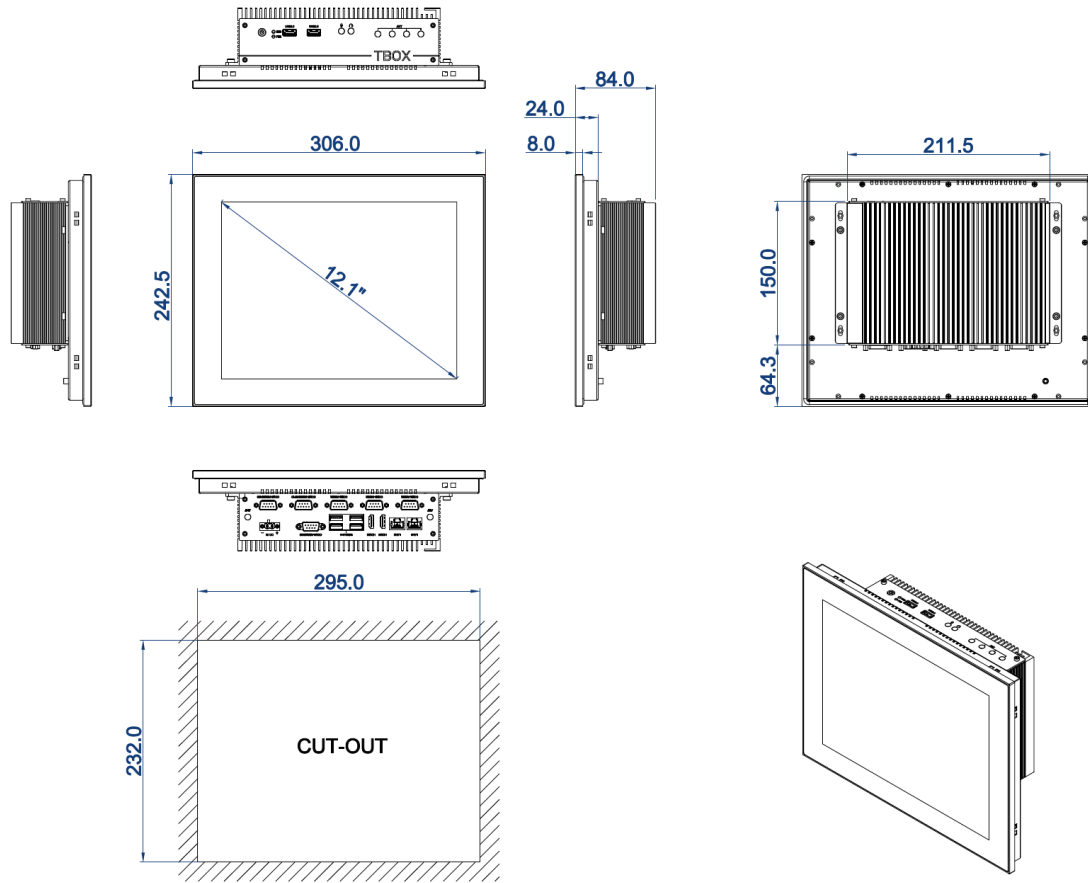
## Features

- 12.1" TFT LCD display, LED Backlit, XGA 1024 \* 768;
- Intel Apollo Lake J3455 processor, Quad-core 1.5Ghz;
- Single DDR3 memory, up to 8GB, 1\* M.2 storage;
- Multi-points (Max. up to 10 points) Projective capacitive touch, EETI controller;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- 2 GLAN, Dual wireless expansion, 4G/5G, WIFI/BT support;
- Wide voltage DC 9~36V input range;
- 6\*USB (4 USB3.0), 6\*COM (Optional GPIO), 2\*HDMI;
- Fan-less & Rich IO design, Panel mount, Front IP65 protection.

## Specification

<b>Hardware &amp; System</b>	BIOS	SPI AMI EEI BIOS
	CPU	Intel Apollo Lake J3455, Quad-core 1.5Ghz, burst to 2.3Ghz, TDP=10W
	Memory	SO-DIMM, DDR3-1333/1600 MT/s, max. up to 8GB
	Storage	1* M.2 Key-B slot, SATA SSD, 2242/2280 (Optional support 1* 2.5" SATA)
	Graphic	Intel HD Graphics 500
	Network	2* Intel I211 (Optional 3G/4G, 5G, Wi-Fi/BT, Wi-Fi 6)
	TPM	Intel PTT TPM2.0
	Expansion	1* M.2 Key-B slot. 1* M.2 Key-E slot
	Watch dog	0~256 seconds programmable
	OS	Win10/Win11, Linux
<b>IO interface</b>	COM	COM1/6: RS485 (Optional RS232), COM2/3/4: RS232, COM5: RS232 (Optional 8 GPIO)
	Ethernet	2x RJ45, 10/100/1000 Mbps
	Audio	Default no Mic-in/Line-out (Optional)
	USB	4x USB3.0, 2x USB2.0
	Display	2x HDMI (Max. support 4096 * 2160 @30Hz)
	Power	1x 2 pins, phenix terminal
<b>LCD Display</b>	Size/Type	12.1" TFT LCD
	Resolution	1024 * 768 (XGA)
	Brightness	350 nits
	Backlit & MTBF	LED backlit & 30 000hours
	Display area	245.76 * 184.32
	View angle	80/80/80/80
<b>Touchscreen</b>	Type	Projective capacitive touchscreen
	Touch points	Multi points touch, max. up to 10 points
	Durability	>100 000 000 times
	Surface hardness	Mohs 6H
	Special treatment	Anti-fingerprint (AF)
<b>Structure</b>	Structure and surface	Magnesium-Aluminum alloy, sand blasting, anodized treatment
	Mount method	Panel mount (Optional support VESA 75/100 mount)
	Cooling system	Large area finned heat sink
	Overall dimension	306.0 * 242.5 * 84.0 (mm)
	Cut-out dimension	295 * 232 (mm)
	Net weight	4.2 KG
	IP protection	Front Panel IP65
<b>Power &amp; Environmental</b>	Operating temp.	-20~+70°C
	Storage temp.	-30~+80°C
	Relative Humidity	10 ~ 95% @ 10C (Non-condensation)
	Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
	Shock	10G/Peak (11 ms)
	Power input	Wide voltage DC 9~36V
	Power consumption	Around 30W
	EMC	CE/FCC Class A

**Dimension**



DIMENSIONS IN MILLIMETERS

**Ordering info.**

Part no.	Description
CN021-AM01-SN-001-00	12.1", 1024 * 768, Intel J3455, Quad-core 1.5Ghz, Pcap. touch, 2*GLAN, 4*USB3.0, 2*USB2.0, 6*COM, 2*HDMI, DC 9~36V (Default no PSU)
Memory	SO-DIMM, DDR3, <u>4GB/8GB</u> Memory
Storage	M.2 SSD: <u>128GB/256GB/512GB</u> 2.5" SATA SSD: <u>128GB/256GB/512GB</u> 2.5" HDD: <u>2TB/4TB</u>
Wireless modules	Wi-Fi module, with Antenna (M.2 interface) Wi-Fi with BT integrated module, with Antenna (M.2 interface) All network 4G/LTE module, With Antenna (M.2 interface) 5G network module, with antenna (M.2 interface)
PSU	60W Power supply (PSU)
Bracket	Additional VESA bracket for VESA mounting

**Packing List**

■	1x Standard Product
■	1x Power cable & Plug
■	8x Panel mount metal clips