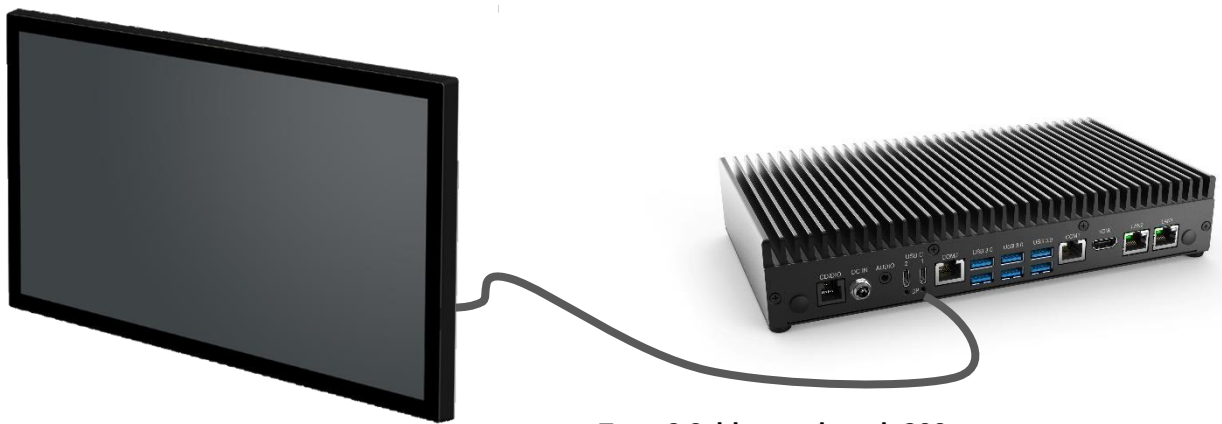


Embedded IoT Box PC

- ✧ Easy access switch to remote equipment.
- ✧ Small form-factor PC box to connect three display monitors.
- ✧ Multi-Powered input/output ports for more robust computing operations.
- ✧ Embedded IoT Box PC Fan-less Box PC.
- ✧ Large size heat sink for better cooling.
- ✧ Robust housing.
- ✧ DDR4 memory for better expansion and performance.



Type C Cable max length 200cm

Features



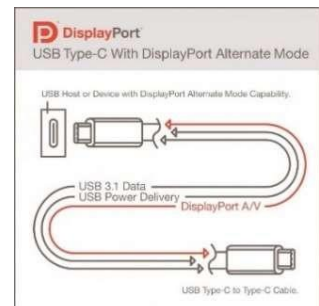
6pcs COM ports for more extended functions



Remote PWR Switch



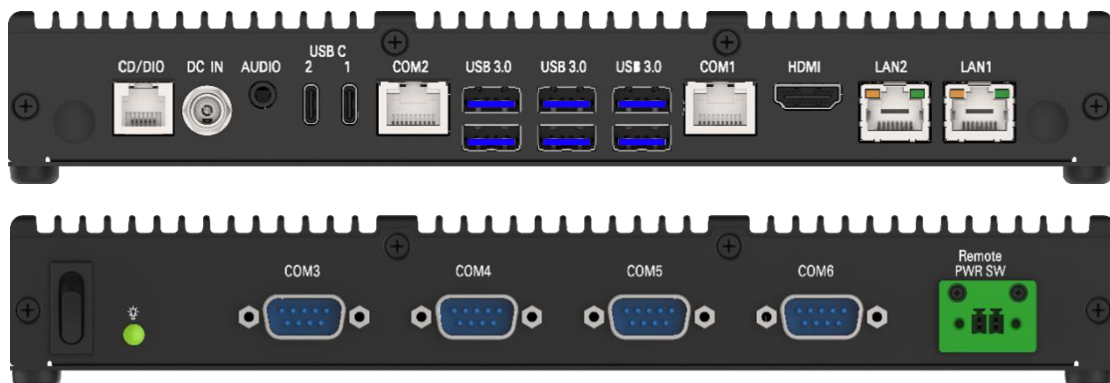
Two USB C DP Alternate Mode and PD



Specifications

Enclosure	Color / Housing	Black / Metal	
Display	Type	21.5" diagonal TFT active matrix with LED backlight	
	Resolution / Aspect Ratio	1920 x 1080 FHD / 16:9	
	Brightness	350 cd/m ² (typ.)	
	Contrast Ratio	3000:1 (typ.)	
	Response Time	18ms (typ.)	
	LCD Viewing Angle	178° (H) / 178° (V)	
	Touch Panel	10-Points Projected Capacitive Touch	
	Touch Controller IC	EETI	
	I/O Connectivity	USB-C, USB 2.0 (Downstream), DC-In (Optional 12Vdc Power Source)	
CPU	Physical Dimension	512.3 x 303.8 x 35(mm, w/o stand) (20.17*11.96*1.38 inch)	
	Backlight MTBF	30,000 hrs	
Memory	FCBGA1264	Alder Lake-N, i3-N305 (8C/32EU, Up to 3.8GHz, 15W)	
Storage	SO-DIMM	1 x DDR4, Up to 16GB	
Storage	m.2 NVMe (PCIe)	1 x m.2 2280 M-key slot	
Communication	Wi-Fi / Bluetooth	Optional 802.11 ac/a/b/g/n Wireless module (m.2 2230) Build-in antenna hole x 2 for Wi-Fi / Bluetooth	
Interface	C/D / DIO	C/D RJ-12 Type, support 12V or Bypass DC-IN 19V /24V Voltage by Jumper	
	DC-IN Voltage Range	DC 12-24V and support screw lockable 5.5 x 2.5mm DC Plug	
	Audio Connector	1 x 3.5 mm headphone and microphone combo jack	
	USB C	2 x Type C with Alternate mode (DP) and PD(PD is an option that supports max. total 60W)	
	COM	2 x RS232 (RJ-50) Pin 9: Ring/5V/12V select by BIOS and option 2 x RS232 (DB9), 2 x RS232/RS422/RS485 (DB9)	
	USB	6 x USB3.0	
	Display	1 x HDMI and 2x USB Type-C Alternate mode (up to three display monitors)	
Environmental	LAN	2 x 2.5G LAN (RJ-45) Intel 226V	
	Operating temperature	Bpc09: 0~50°C (32~122°F)	Monitor: 0~50°C(32~122°F)
	Storage temperature	Bpc09: -20~85°C (-4~185°F)	Monitor: -20~60°(-4~140°F)
	Relative Humidity	Bpc09: 5~95%@40°C	Monitor: 20%~85% (non-condensing)
	Vibration	IEC 60068-2-64 (with SSD: 3Grms STD, random, 5 to 500 Hz, 1hr/axis)	
Others	Shock	With M.2/SSD: 50G, half sine, 11ms, IEC60068-2-27	
Others	Accessory (Option)	Optional 60W,90W,130W AC adapter Optional RJ50 to DB9 convert cable (COM Port)Wall mount, rack mount	
	TPM	TPM2.0	
	Power Switch	1 x Power On/Off rocker switch	
	Remote Power Switch	Connector for extended switch	
	Antenna hole	2 x Antenna holes for Wi-Fi , Bluetooth, or 4G/5G LTE	
	LED	Power indicator (Green)	
	VESA Holes	Support 75mm x 75mm	
	Dimension	Box PC only: 250*140*44.7mm (9.84*5.51*1.76 inch) Box PC with rubber foot:250*140*48.7mm (9.84*5.51*1.92 inch) Monitor: 512.3 x 303.8 x 35 (20.17*11.96*1.38 inch)	
	Weight	Box PC only: 1.94kg / 4.28lb / Monitor: 6Kg, 13.23 lbs (Net Weight)	
	Operating System	Microsoft Window 10, 11, Linux 4.0 Kernel such as ubuntu 20.04.5	

I/O Interface



All information contain in this document is subject to change without prior notice.

