



## ARC-1738-C

17" 11th Gen Intel® Core™ Processor i5/i3 Fanless Rugged Touch Panel PC

- > 17" Advanced Rugged panel PC
- > 10 points multiple PCAP touch
- > Onboard Tiger Lake U 11th Intel® Core™ SoC i5/i3 BGA Processor
- > 2 x 260-pin DDR4 3200 MHz SO-DIMM socket, supports up to 64GB Max
- > 2 x LAN, 4 x USB3.2 Gen2
- > 3 x USB2.0 (optional)
- > 1 x RS232/422/485, 2 x RS232 (default)
- > 3 x RS232/GPIO/USB2.0 (optional)
- > Wi-Fi & BT (optional)
- > Front Panel IP65
- > TPM2.0

### + Spec

-System Information-	
<b>Processor</b>	Onboard Tiger Lake U 11th Intel® Core™ SoC i5/i3 Processor
<b>System Memory</b>	2 x 260-pin DDR4 3200 MHz SO-DIMM socket, supports up to 64GB Max
<b>Board</b>	EMX-TGLC
Expansion	
<b>Expansion</b>	1 x M.2 Key B 3042/3052/2242/2260/2280 Support 1xPCIEx1/SATA/USB3.0/USB2.0 with 1 x SIM card slot, support WWAN+GNSS 1 x M.2 Key E 2230 support WiFi module and CNVi (1 x PCIe x1 & USB 2.0 Signal)
Storage	
<b>Storage</b>	M.2 Type B 3042/3052/2242/2260/2280 SSD (SATA/NVMe)
<b>Solid State Drive</b>	Reserve space for future 1 x 2.5" Drive Bay design
Panel	
<b>LCD Size</b>	17", 4:3
<b>LCD Panel</b>	AUO M170ETN01.1, 17" 1280*1024 250 nits
<b>B/L Inverter/Converter</b>	External LED Driving board
<b>Display Type</b>	SXGA
<b>Resolution</b>	1280 x 1024
<b>Pixel pitch</b>	0.264(H) x 0.264(V)mm
<b>Luminance</b>	250 nits
<b>Contrast ratio</b>	1000
<b>Viewing angle</b>	80 (U), 80 (D), 85 (L), 85 (R)
<b>Response time</b>	5ms
<b>Backlight</b>	TFT-LCD
<b>Touch Type</b>	10 point multiple PCAP touch
<b>Touch Screen</b>	17" PCAP
<b>Touch Light Transmission</b>	89 %
<b>Touch Controller</b>	ILLITEK IC2510P
I/O	
<b>USB Port</b>	4 x USB3.1 Gen2 3 x USB 2.0 (optional) *1 x USB2.0 for option shared the same port with COM
<b>COM Port</b>	COM1: RS232/422/485 COM2~3: RS232 COM4~6: 3 x RS232/GPIO/USB 2.0 (optional)
<b>Antenna</b>	6 x Antenna Mounting with Dust Cover 2x for WIF/BT 4x for 4G/5G
<b>Display Port</b>	2 x DP++: 1920 x 1080@60 Hz
<b>Other</b>	AUX-089 (SIM card expansion card)
Wireless Communication	
<b>WLAN</b>	IEEE802.11 ac/a/b/g/n 2.4 GHz, 5 GHz (optional)
<b>Bluetooth</b>	BT5.1 (optional)
Software Support	
<b>OS</b>	Windows 10/11 64bits, Linux
Audio	
<b>Speaker Output</b>	2 x 5W
Certifications	
<b>Certification Information</b>	CE / FCC Class A CCC
Ethernet	
<b>LAN Chipset</b>	1 x Intel® I219LM Gigabit Ethernet PHY (LAN1) 1 x Intel® I226LM 2.5 Gigabit Ethernet (LAN2)



<b>LAN Port</b>	2 x RJ-45
<b>Power Requirement</b>	
<b>DC Input</b>	+12~24V DC-in (Default: ATX)
<b>DC Input Connector</b>	mini-DIN 4pin DC-in
<b>Adapter</b>	Input: 100~240Vac / 50~60Hz Output: 120W adapter (24V @ 5A)
<b>Mechanical &amp; Environmental</b>	
<b>Operating Temperature</b>	0°C ~ 50°C
<b>Storage Temperature</b>	-20°C ~ 60°C
<b>Operating Humidity</b>	40°C @ 95% Relative Humidity, Non-condensing
<b>Dimension (W x L x H)</b>	392.7 x 325.3 x 71.65 mm
<b>Weight</b>	5.6Kgs
<b>Ordering Information</b>	
<b>Ordering Information</b>	<p>ARC-1738-3G4-C1R ARC-1738 w/i3-1115G4/3COM/4USB/2LAN/2DP/Barebone, w/o Memory/storage/Kit</p> <p>ARC-1738-5G7-C1R ARC-1738 w/i5-1135G7/3COM/4USB/2LAN/2DP/Barebone, w/o Memory/storage/Kit</p> <p>C971XAR38C1000R Intel AX210 WIFI6 M.2 2230 A-Key kit</p> <p>C971XAR38C1001R Intel8265NGW M.2 2230 NGFF BT4.2 kit</p> <p>C971XAR38C1002R Wifi 802.11 ac/a/b/g/n,2T2R, BT5.1 kit</p> <p>C971XAR38C1003R 4G LTE Module, SIM7600G-H-M2, SIMCOM</p> <p>C971XAR38C1004R SIMCOM, SIM8202G(USB3.0)</p> <p>C971XAR38C1005R COM Kit for ARC-1738-C1</p> <p>C971XAR38C1006R USB Kit for ARC-1738-C1</p> <p>C971XAR38C1007R GPIO Kit for ARC-1738-C1</p> <p>C170P060040R US Power Cord SM001/3P+SM006/3P 1.83M</p> <p>C170P060050R EU Power Cord SH005/3P+SH006/3P 1.83M</p> <p>C170P060060R JP Power Cord SH001/3P+SH006/3P 1.83M</p> <p>C170P060070R UK Power Cord YP61A/3P+YC12/3P 1.83M</p> <p>C170P060080R AU Power Cord SH051/3P+SH006/3P 1.83M</p>