



## FPC-1736

17" 8th/9th Gen Intel® Generation Core™ Pentium® i7/ i5/ i3 Processors Full-falt Rugged Multi-touch Panel PC With Active Cooling and Expansion Slot

- > Intel® LGA1151 Socket Supports 8th /9th refresh Generation Core™ Pentium® i7/ i5/ i3 Processors (Max. TDP at 65W)
- > 2 x Memory Socket, Max. Up to 64GB DDR4 2133/2400/2666 MHz
- > 4 x USB3.0, 1 x USB2.0 (Internal for dongle)
- > 3 x RS232, 2 x LAN, 1 x HDMI 1.4b, 1 x VGA
- > 1 x Storage, 2.5" Drive Bay, 1 x M.2 SSD
- > 1 x M.2 Key-E for Wi-Fi, Bluetooth
- > Support 1 x PCIe4 Expansion Slot (option for 2 x PCI slot)
- > Wide Voltage DC input +12V ~ +24V
- > Front IP65, Panel Mounting Kits
- > CE, FCC Class A, CCC

### + Spec

-System Information-	
<b>Processor</b>	Intel® LGA1151 Socket Supports 8th /9th refresh Generation Core™ Pentium® i7/ i5/ i3 Processors (Max. TDP at 65W)
<b>Platform Controller Hub</b>	Intel® H310 Express Chipset
<b>System Memory</b>	2 x 260-pin DDR4 2666 MHz SO-DIMM socket, supports up to 64GB Max
<b>I/O Chipset</b>	ITE8786E
<b>BIOS Information</b>	AMI uEFI BIOS, 128Mbit SPI Flash ROM
<b>Board</b>	EMX-H3102C
Expansion	
<b>Expansion</b>	1 x M.2 E-Key, support Wi-Fi module (optional) 1 x PCIe4 slot (Option for 2 x PCI slot)
Storage	
<b>Storage</b>	1 x SATA III for SSD expansion 1 x M.2 B-key 2242 slot support SATA
Panel	
<b>LCD Size</b>	17", 4:3
<b>Display Type</b>	SXGA
<b>B/L Inverter/Converter</b>	External
<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>	LED
<b>Touch Screen</b>	17" PCAP Multi-Touch support up to 10 points
<b>Touch Light Transmission</b>	89 %
<b>Touch Controller</b>	ILLITEK IC12510P
I/O	
<b>USB Port</b>	4 x USB3.0, 1 x USB2.0 (Internal Type A for dongle) 4 x USB2.0 (Option)
<b>COM Port</b>	3 x RS232, 1 x RS232 (Option)
<b>GPIO</b>	8 bit GPIO (option)
<b>Antenna</b>	Reserved for WIF6 2.4GHz~7.1GHz Antenna
<b>SATA</b>	1 x SATA III
<b>PCIe</b>	1 x PCIe4 (Option for 2 x PCI slot by module)
Wireless Communication	
<b>WLAN</b>	IEEE802.11 ax/ac/a/b/g/n 2.4 GHz, 5GHz, 6GHz (Option)
<b>Bluetooth</b>	BT5.2 (Option)
Display	
<b>Graphic Chipset</b>	Intel® 8/9th Generation CPU integrated
<b>Spec. &amp; Resolution</b>	1 x VGA: 2048 x1536 @ 50 Hz 1 x HDMI 1.4b: 4096x2160@30Hz
Audio	
<b>Audio Interface</b>	1 x Line-out, 1 x Mic-in
<b>Speaker Output</b>	2 x 5W
Software Support	
<b>OS</b>	Windows 10 64bits Linux (Ubuntu 22.04)
Certifications	
<b>Certification Information</b>	CE/FCC Class A CCC
Ethernet	



<b>LAN Chipset</b>	1 x Intel i219-V Gigabit Ethernet 1 x Intel i225-V 2.5 Gigabit Ethernet
<b>LAN Port</b>	2 x RJ-45
<b>Power Requirement</b>	
<b>DC Input</b>	+12~24V DC in
<b>DC Input Connector</b>	DC in Phoenix terminal (option) *Only connect one of them for power input
<b>Adapter</b>	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 120W (24V @ 5A ) AC-DC Power adapter
<b>Mechanical &amp; Environmental</b>	
<b>Operating Temperature</b>	0 ~ 45°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>	392.72 x 325.32 x 121.55 mm
<b>Weight</b>	7.5 Kg
<b>Vibration Test</b>	With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis
<b>Shock Test</b>	With CF/SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms
<b>IP Rating</b>	Front IP65
<b>VESA</b>	Wall / Stand / VESA , 100mm x 100mm
<b>System Fan</b>	2 x 12V
<b>Construction - Front</b>	Die-casting
<b>Construction - Rear</b>	Metal
<b>Drop</b>	ISTA 2A, IEC-60068-2-32 Test:Ed
<b>Ordering Information</b>	
<b>Ordering Information</b>	<p>FPC-1736-X0000-1R 17" 1280x1024 250nits Industrial Touch Panel PC, ErP Design, PCAP Multi Touch(ALC897) Intel w/H310/2LAN/4USB3/HDMI/VGA/DCin/Line out/Mic in/Barebone/120W Power adapter w/PClex4 expansion slot</p> <p>ACC-CPU-8700TR Intel Core i7-8700T 2.4GHz Processor</p> <p>ACC-CPU-8500TR Intel Core i5-8500T 2.1GHz Processor</p> <p>ACC-CPU-8100TR Intel Core i3-8100T 3.1GHz Processor</p> <p>C971XFP1736000R Double USB KIT For FPC-1736</p> <p>C971XFP1736001R Single USB KIT For FPC-1736</p> <p>C971XFP1736002R Internal Single USB KIT For FPC-1736</p> <p>C971XFP1736003R 4Terminal Block DC IN KIT For FPC-1736</p> <p>C971XFP1736004R Terminal Block GPIO KIT For FPC-1736</p> <p>C971XFP1736005R WiFi module KIT for FPC-1736 Intel AX210</p> <p>C971XFP1736006R Riser card KIT For FPC-1736 PClex1 to 2PCI Riser Card</p> <p>C971XFP1736007R WiFi module KIT for FPC-1736 IntelAC8265</p> <p>C971XFP1736008R WiFi module KIT for FPC-1736 IntelAC9260</p> <p>ACC-FAN-115-03R CPU cooler 4P/12V/Fan/84*84*28/AL/65W</p> <p>ACC-FAN-829R CPU Cooler for LGA1155 Package 4-Pin/12V</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>