

10 Inch

Industrial Panel PC

CTL109



The General Touch's industrial panel PC series is the result of leveraging years of experience in building AiOs and serving the Industrial clientele. Being mindful of the varying industrial environments, the Touch Panel PC features panel mount & VESA mount installations, fanless heat dissipation, front sealing that meets IP65 rating and an aluminum alloy frame for durability. The operating temperature ranges from -15°C to 60°C.

The PC module is equipped with the low-power Intel Celeron processors and an ample quantity of I/O interfaces. Pre-installed Windows or Linux Operating Systems is a convenient option. Extended 2 years warranty is also available and can be tailored according to particular requirements.

For Industrial scenarios such as production lines, production control or data collection, GT's industrial Panel PCs are reliable companions for smooth and reliable performance that enhances production efficiency.



Kiosk



Vending Machine



Industrial Automation

- Intel Celeron with lower power consumption
- Metal backcover, good heat dissipation
- Fanless
- Front IP65 rating
- General Touch PCAP technology, quality assurance
- Panel Mounting & VESA
- Support customization and OEM/ODM

SPECIFICATIONS

Product Name	10 Inch Industrial Panel PC	
Model	CTL109	
Motherboard Parameters		
Processor	Intel® Celeron® Processor J6412	
GPU	Intel® UHD Graphics for 10th Gen Intel® Processors, integrated in CPU	
Memory	1 x DDR4 SO-DIMM Slot, up to 32GB	
Storage	1 x M.2 Interface	
OS Support	Windows 10/Windows11/Linux (Note 1)	
Wi-Fi & Bluetooth	Mini PCI-e Module, optional (Note 2)	
4G LTE	Mini PCI-e Module, optional (Note 2)	
LCD Panel Parameters		
Display Technology	Active Matrix TFT-LCD with LED Backlight	
Aspect Ratio	16:10	
Active Display Area (W x H)	219.96mm x 135.60mm	
Native Resolution	1280 x 800	
Response Time (Typ.)	30ms	
Display Colors	16.2M	
Luminance (Typ.)	400nits	
Contrast Ratio (Typ.)	900:1	
Viewing Angle (Typ.)	Horizontal (Left/Right) CR≥10	170° (85°/85°)
	Vertical (Up/Down) CR≥10	170° (85°/85°)
Touchscreen Parameters		
Touch Technology	PCAP	
Touch Point	10	
Light Transmission	≥85%	
Thickness	3.3mm ± 0.3mm	

I/O Port

LAN	2 x RJ45 (10/100/1000Mbps)
USB	4 x USB A/USB 3.0
Display	1 x HDMI out
COM	2 x RS232
Audio	1 x 3.5mm Line-out/Mic 2 in 1
Antenna	2 x SMA-K, available on Wi-Fi & Bluetooth or 4G LTE model
Power	1 x DC Jack (Pin Outer Diameter 2.5mm) 1 x 3-Pin Terminal Block, DC 12V

Overall Parameters

Bezel/Case Colour	Black
Mounting Options	Panel mounting, VESA 100mm x 100mm
Outline Dimensions	286.2mm x 204.8mm x 71.4mm (W x H x D)
Power Consumption	24W Max
Operating Altitude	≤3000m
Temperature	Operating: -15°C to 60°C, storage: -20°C to 70°C
Humidity (Non-condensing)	Operating: 20% to 80%, storage: 10% to 90%
Carton Dimensions	375 mm x 345 mm x 285 mm
IP Rating	Front panel, IP65
Agency Approvals	CE, FCC
MTBF	50,000 Hours Demonstrated
Warranty	2 years

Note 1: The default operating system is Windows 10 IoT Enterprise x64, and Microsoft® Product Key is an optional order accessory.

Note 2: There is only 1 Mini PCI-e slot for Wi-Fi & BT 2-in-1 module or 4G LTE module installation.

Ordering Information

Part Name	Part Number	Description
CTL109-RCB-2000-A0D-1.0	10302020086R	8GB RAM, 128GB SSD, Wi-Fi&BT 2 in 1 Module

Optional Accessories

Part Name	Part Number	Description
Microsoft® Product Key	30208180003R	Windows 10 IoT Enterprise (OEM)
Power Adapter	30207010005R	Input Voltage Range: 100V - 240V AC Output: 12V DC \pm 5%/4.17A DC Barrel Plug Pin Inner Diameter: 2.5mm
US Power Cable	30301010010R	1.5m
EU Power Cable	30301010011R	1.5m
UK Power Cable	30301010018R	1.5m

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