GENERAL Touch

15.6 Inch

Industrial Panel PC

CTL159

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℃ to 60℃.

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

Features & Benefits

- Intel Celeron with lower power consumption
- Metal backcover, good heat dissapation
- Fanless
- Front IP65 rating
- General Touch PCAP technology, quality assurance

- Panel Mounting & VESA
- Support customization and OEM/ODM

SPECIFICATIONS

Product Name	15.6 Inch Industrial Panel PC
Model	CTL159
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	16:9
Active Display Area (W x H)	344.16mm x 193.59mm
Native Resolution	1920 x 1080
Response Time (Typ.)	25ms
Display Colors	16.7M
Luminance (Typ.)	350nits
Contrast Ratio (Typ.)	800:1
Viewing Angle (Typ.)	Horizontal (Left/Right) CR≥10 178° (89°/89°) Vertical (Up/Down) CR≥10 178° (89°/89°)
Touchscreen Parameters	
Touch Technology	PCAP
Touch Point	10
Light Transmission	≥85%
Thickness	3.3mm ± 0.5mm

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	412.9mm x262.2mm x 71.4mm (W x H x D)
Power Consumption	32W Max
Operating Altitude	≤3000m
Temperature	Operating: -15℃ to 60℃, storage: -20℃ to 70℃
Humidity (Non-condensing)	Operating: 20% to 80%, storage: 10% to 90%
Carton Dimensions	TBD
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
CTL159-RCB-2000-A0D-1.0	10302020091R	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 ± 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