

IPC-921 Ultra Core



21.5" Touch Screen Industrial Panel PC

Industrial Panel Computer



For detailed information
please scan the QR code.



The Artech Ultra Core Series 21.5" Touch Industrial Panel PC is a solution designed to facilitate the digital transformation of production environments with its wide screen and capacitive touch technology. Powered by a 12th Gen Intel iCore processor, it delivers high performance and meets modern industrial needs with Full HD resolution and a variety of power input options. In addition to its high operational performance, enabled by the 12th Gen iCore processor, this series features performance-enhancing updates, including an improved cooling design that ensures longer service life and enhanced environmental durability.

KEY FEATURES

- **Domestic Production Advantage:** Reliable quality with local manufacturing standards.
- **12th Gen Intel iCore Processor:** Delivers high processing performance.
- **Enhanced Cooling Design:** Optimized for long-term stability and reliable use.
- **Full HD Resolution:** Ideal for sharp and clear visuals.
- **Capacitive Multi-Flat Touch Technology:** Provides a seamless touch experience.
- **Easy-to-Remove and Replaceable Drive Bay:** Simplifies data management and maintenance.
- **0-60 °C Operating Temperature:** Stable performance across a wide temperature range.
- **IP65 Front Panel Protection:** Excellent protection against dust and water.
- **Stainless Steel Housing:** Offers durability and a long lifespan.
- **Suitable for 24/7 Operation:** Ideal for continuous use.
- **Flexible Power Options:** Compatible with 12VDC or 24VDC power input.

TECHNICAL SPECIFICATIONS

Order Code

CPU	: 12th Gen Intel iCore
PSU	: 12-24
RAM	: 4 / 8 / 16 / 32 / 64
HDD	: 64 / 128 / 256 / 512 / 1TB
WI-FI	: No WI-FI / WI-FI

System

CPU	: 12th Gen Intel iCore
Memory	: DDR4-3200, 2*SO-DIMM, up to 64 GB
Video RAM	: Intel® HD Graphics
Chipset	: Intel®
Watchdog Timer	: 255 Level Reset
System Fan	: Fanless

I/O

Serial Port	: 3 x (RS232/RS422/RS485)
Parallel Port	: N.A.
USB Port	: 6 (4 x USB 3.0 , 2 x USB 2.0)
LAN	: 2 x Ethernet 10/100/1000 BaseT
Wireless LAN	: 802.11 b / g / n (Optional)
Audio	: Realtek® 5.1 channel HDA Codec, with MIC/Line-out and Amplifier
Expansion Slot	: Mini PCIe

Data Storage

HDD / Type	: Fixed / Slide - Easy Change
SSD	: M.2 / 2.5" SSD 64 GB / 128 GB / 256 GB / 512GB / 1TB

Feed

Input	: 12 - 24 VDC
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LCD Screen

Type and Size	: 21.5" LVDS (16:9 Widescreen)
Max. Resolution	: 1920x1080
Pixel Pitch	: 0.297mm x 0.297mm
Max. Color	: 16.7 M
Brightness (cd/m2)	: 250cd
Contrast Ratio	: 1000/1
Viewing Angle	: 160° (H), 160° (V)
Back Light MTBF	: 50,000 Hours
Touch Screen	: 21.5" Touch - Projected Capacitive

Extra Video Output

Type	: 1 x HDMI Display Output
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Mechanical & Environmental Features

Operating Temperature	: 0 ~ 60°C
Storage Humidity	: 5 ~ 95% (Non-Condensing)
Case	: Dust Proof Stainless Steel Body - Front Frame
Front Frame	: IP65 Aluminium
Mounting	: Suitable for Panel, Kiosk or VESA Mounting

