

# IPC-918

## INDUSTRIAL PANEL COMPUTER ULTRA SERIES

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Industrial Computer Solutions



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**The Artech Ultra Series 18.5" Touch Industrial Panel PC** is a compact solution designed to support the digital transformation of production environments with its expansive display and capacitive touch technology. Powered by a 12th Gen Intel iCore processor, this model features an 18.5" Full HD (1920x1080) display that delivers the same sharp image quality as the 21.5" version but in a smaller form factor—making it ideal for environments with limited space. Its compact design offers an advantage in space-constrained industrial areas without compromising visual clarity. In addition to the high operational performance provided by the 12th Gen iCore processor, the system features an enhanced cooling design to ensure extended service life and improved environmental durability.

### MAIN ADVANTAGES

- **Durability and Performance:** Ensure continuous operation of your facility with Artech Industrial Panel Computers that operate smoothly even in harsh industrial conditions.
- **Cost and Energy Savings:** Reduce your total cost of ownership through energy efficiency and low-cost operation.

### KEY FEATURES

- **Domestic Manufacturing Advantage:** High reliability with local production quality standards.
- **12th Gen Intel iCore Processor:** Delivers powerful computing performance.
- **Improved Cooling Design:** Optimized for long-term, stable operation.
- **Full HD 1920x1080 Resolution:** Sharp, clear visuals on an 18.5" display.
- **Compact Structure:** Delivers full visual quality in a smaller footprint.
- **Capacitive Multi-Flat Touch Technology:** Seamless and responsive touch experience.
- **Removable & Replaceable Drive Bay:** Simplifies data management.
- **0-60 °C Operating Range:** Stable performance across a broad temperature spectrum.
- **IP65 Front Panel Protection:** Excellent resistance to dust and water.
- **Stainless Steel Enclosure:** Durable and long-lasting design.
- **Suitable for 24/7 Operation:** Ideal for uninterrupted industrial use.
- **Flexible Power Input:** Compatible with 12VDC or 24VDC systems.

## TECHNICAL SPECIFICATIONS

## ORDER CODE

CPU	: 12th Gen Intel iCore
PSU	: 12 - 24
RAM	: 4 / 8 / 16 / 32 / 64
HDD	: 64 / 128 / 256 / 512 / 1 TB
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

## INPUT / OUTPUT

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 / 512 GB / 1 TB

## FEED

Input	: 12-24 VDC
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## LCD SCREEN

Type / Size	: 18.5" LVDS (16:9 Widescreen)
Max. Resolution	: 1920 x 1080
Pixel Pitch	: 0.297(H) x 0.297(W)
Max. Color	: 16.7 M
Brightness	: 250 cd
Contrast Ratio	: 1000/1
Viewing Angle	: 160° (H), 160° (V)
Back Light MTBF	: 50,000 Hours
Touch Screen	: 18" Touch - Projected Capacitive

## EXTRA VIDEO OUTPUT

Type	: 1 x HDMI, 1 x Display Port
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## MECHANICAL &amp; ENVIRONMENTAL FEATURES

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

