



ARC-21W34

21.5" with Full-HD PCAP Multi-touch Intel® Core™ i5-7300U Rugged Touch Panel PC with IET Expansion

- > 21.5" Full HD LCD with PCAP Multi-Touch
- > Onboard Intel® Core™ i5-7300U SoC BGA Processor
- > 1 x 260-pin DDR4 SODIMM Socket, Supports Up to 16GB DDR4 2133Mhz SDRAM
- > Rich I/Os, 2 LAN, 2 COM, 4 USB, SIM Card Slot, Swappable Drive Bay, Speaker out for Flexible Expansion Modules
- > 1 x Mini PCIe Slot
- > Rugged Design for Vibration & Shock Protection, Cableless Design
- > Fanless Operation from -10 ~ 50°C
- > Wide Range DC Power Input from +12~26Vdc
- > Service Window, Easy to Install Memory Module
- > Front panel: IP65, Rear: IP41(except I/O)
- > TPM 2.0 (optional)

+ Spec

| System | |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Processor | Onboard Intel® Core™ i5-7300U 2.6GHz SoC BGA Processor |
| System Memory | One 260-pin DDR4 SODIMM Socket, Supports Up to 16GB DDR4 2133Mhz SDRAM (Non-ECC) |
| Watchdog Timer | H/W Reset, 1sec. ~ 65535sec./1sec.step |
| H/W Status Monitor | Monitoring CPU & System Temperature and Voltage |
| CPU Cooler (Type) | Fanless Heatsink |
| Expansion | |
| Expansion | 1 x mSATA supports on the 1st Mini PCIe slot, Auto switch for mSATA or Mini PCIe 1 x 80-pin IET interface |
| Storage | |
| Storage | 1 x 2.5" Drive Bay(7mm HDD Restricted) |
| HDD/ SSD | 1 x SATA3 |
| Panel | |
| LCD Size | 21.5" 16:9 |
| Display Type | Full HD |
| Resolution | 1920x1080 |
| Pixel pitch | 0.24795mm(H) x 0.24795mm(V) |
| Luminance | 250 cd/m2 |
| Contrast ratio | 3000 |
| Viewing angle | 89 (U), 89 (D), 89 (L), 89 (R) |
| Response time | 20 ms |
| Backlight | LED |
| Touch Type | PCAP Multi-Touch support up to 10 points |
| Touch Light Transmission | 89 % |
| Touch Controller | EETI |
| I/O | |
| USB | 4 x USB3.0 (2 x Double deck) |
| COM Port | 1 x RS-232/422/485, selectable by BIOS, RS-485 supports Auto Flow, Pin-9 selected by Ring/+5V/+12V) 1 x RS-232 |
| DIO | 16-bit GPIO (option by IET DB) |
| Expansion | 1 x mSATA supports on the 1st Mini PCIe slot, Auto switch for mSATA or Mini PCIe 1 x Optional by IET module |
| Other | 3 x Knockouts for Antenna Mounting |
| System Control | |
| LED Indicator | HDD LED, Power LED |
| Audio | |
| Chipset | Realtek ALC892 |
| Speaker Output | 2 x 2W |
| Ethernet | |
| Chipset | 2 x Intel® I211AT |
| DC In/Out Characteristics | |
| Power Type | AT/ATX |
| Mechanical & Environmental | |
| Power Requirement | DC in +12V ~ +26V, wide voltage single power input |
| Power Type | AT/ATX |
| Operating Temperature | -10°C ~ 50°C |
| Storage Temperature | -20°C ~ 60°C |



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| Operating Humidity | 40°C @ 95% Relative Humidity, Non-condensing |
| Weight | 7.3Kgs |
| Mounting Kit | Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm Panel Mount with mounting kits |
| Dimension (L x W x H) | 537.9 x 329.4 x 55.9mm |
| IP Rating | Front Panel IP65 back cover IP41 |
| Vibration Test | With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis |
| Shock Test | Operating with SSD/CFast/mSATA : MIL-STD-810G, Method 516.6, Procedure I, functional shock=20G |
| System Fan | Fanless |
| Construction - Front | Die Casting with Cover lens |
| Construction - Rear | Black Die Casting |
| Relative Humidity | 40°C @ 95% Relative Humidity, Non-condensing |
| Fanless | Yes |
| Drop | ISTA 2A, IEC-60068-2-32 Test:Ed |
| Certifications | |
| Certification Information | CE / FCC Class B |
| Software Support | |
| OS Information | Linux, Windows 10 |
| Power Requirement | |
| Power Connector | Lockable DC Jack (Default) optional for phoenix connector |
| Power Requirement | DC in +12V ~ +26V, wide voltage single power input |
| ACPI | Single power ATX Support S0, S3, S4, S5 and ACPI 3.0 Compliant |
| Power Mode | AT/ATX |
| Adapter | Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter) AC-DC Adapter |
| Ordering Information | |
| Ordering Information | ARC-21W34-730-B1R 21.5" 1920x1080 Industrial Touch Panel PC, ErP Design, PCAP Multi Touch 7th Gen Intel Core i5 7300U 2.6GHz CPU/2GLAN/2COM/4USB/SPK/12~26V input/12V Adapter ACC-ARC-USB-1R 4 x USB 3.0 Kit for ARC Series ACC-ARC-AUDIO-1R HDMI + 5.1 CH Audio Kit for ARC Series ACC-ARC-MPCIE-1R HDMI + MPCIE w/SIM Kit for ARC Series ACC-ARC-COM-1R 2 x Isolated RS-232 Kit for ARC Series ACC-ARC-COM-2R 3 x RS-232 Kit for ARC Series ACC-ARC-COM-3R 2 x RS-232 + USB Kit for ARC Series ACC-ARC-COM-4R 2 x RS-232 + LAN Kit for ARC Series ACC-ARC-GPIO-1R 12-bit GPIO + 2-pin CAN Bus Kit for ARC Series ACC-ARC-OBDI-1R OBDII - CAN Bus Kit for ARC Series (OBDII/EOBD for Small Vehicle) ACC-ARC-OBDI-2R OBDII - CAN Bus Kit for ARC Series (J1939J1708 for Large Vehicle) ACC-ARC-OBDI-3R OBDII - CAN Bus Kit for ARC Series (ISO15765-4 for Special Large Vehicle) |