



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)
- > TPM2.0 (optional)

+ Spec	
-System Information-	
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 Port	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
DC In/Out Characteristics	
Power Type	AT/ATX
Audio	
Audio Codec	Realtek ALC888S
Speaker Output	2 x 2W
Certifications	
Certification Information	CE / FCC Class B
Ethernet	
LAN Chipset	1 x Intel® I211AT 1 x Intel® I219LM
Power Requirement	
DC Input	DC in +12V ~ +26V, wide voltage single power input
DC Input Connector	Lockable DC Jack (Default) optional for phoenix connector

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
Mechanical & Environmental	
Operating Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	538.05 x 341.05 x 60.05mm
Weight	7.3Kgs
Vibration Test	With SSD/mSATA : 1.5Gms, 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
IP Rating	Front Panel IP65 back cover IP41
Mounting Kit	Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm Panel Mount with mounting kits
Power Requirement	DC in +12V ~ +26V, wide voltage single power input
Power Mode	AT/ATX
System Fan	Fanless
Construction - Front	Die Casting with Cover lens
Construction - Rear	Black Die Casting
Relative Humidity	40°C @ 95% Relative Humidity, Non-condensing
Drop	ISTA 2A, IEC-60068-2-32 Test:Ed
Software Support	
OS Information	Linux, Windows 10
Ordering Information	
Ordering Information	<p>ARC-21W34-730-B2R 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</p> <p>ACC-ARC-USB-1R 4 x USB 3.0 Kit for ARC Series</p> <p>ACC-ARC-AUDIO-1R HDMI + 5.1 CH Audio Kit for ARC Series</p> <p>ACC-ARC-MPCIE-1R HDMI + MPCIE w/SIM Kit for ARC Series</p> <p>ACC-ARC-COM-1R 2 x Isolated RS-232 Kit for ARC Series</p> <p>ACC-ARC-COM-2R 3 x RS-232 Kit for ARC Series</p> <p>ACC-ARC-COM-3R 2 x RS-232 + USB Kit for ARC Series</p> <p>ACC-ARC-COM-4R 2 x RS-232 + LAN Kit for ARC Series</p> <p>ACC-ARC-GPIO-1R 12-bit GPIO + 2-pin CAN Bus Kit for ARC Series</p> <p>ACC-ARC-OBDII-1R OBDII - CAN Bus Kit for ARC Series (OBDII/EOBD for Small Vehicle)</p> <p>ACC-ARC-OBDII-2R OBDII - CAN Bus Kit for ARC Series (J1939/J1708 for Large Vehicle)</p> <p>ACC-ARC-OBDII-3R OBDII - CAN Bus Kit for ARC Series (ISO15765-4 for Special Large Vehicle)</p> <p>E1702031833R USA Power Cord</p> <p>E1702031000R EU Power Cord</p> <p>E1702031834R Japan Power Cord</p> <p>E1702031830R UK Power Cord</p> <p>E1702031831R Australia Power Cord</p>

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660