

ARC-21W34

21.5" with Full-HD PCAP Multi-touch 7th Generation Intel® Core™ i5 Processor Rugged Touch Panel PC with IET Expansion



Product Features

- 21.5" Full HD LCD with PCAP multi-touch
- 1 x 260-pin DDR4 SODIMM socket, supports up to 16GB DDR4 2133Mhz SDRAM
- 1 x Mini PCIe slot
- Fanless operation from -10 ~ 50°C
- Service window, easy to install memory module
- TPM2.0 (optional)
- 7th Generation Intel® Core™ i5 Processor
- Rich I/Os, 2 LAN, 2 COM, 4 USB, SIM card slot, swappable drive bay, speaker out for flexible expansion modules
- Rugged design for vibration & shock protection
- Wide range DC power input from +12~26Vdc
- Front panel: IP65, rear: IP41(except I/O)

Specification

System Information

Processor	Intel® Core™ i5-7300U Processor, 3M Cache, up to 2.6 GHz
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
SBC	ARC-SKLU
CPU Cooler (Type)	Fanless heatsink
Other	3 x Knockouts for antenna mounting

Expansion

Expansion	1 x mSATA support on the 1st mini PCIe slot, auto switch for mSATA or mini PCIe 1 x optional by IET module
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Storage

Storage	1 x 2.5 Drive bay(7mm HDD restricted)
HDD/ SSD	1 x SATA3

Audio

Audio Codec	Realtek ALC888S
Speaker Output	2 x 2W

Ethernet

LAN Chipset	1 x Intel® I210AT 1 x Intel® I219LM
Ethernet Interface	10/100/1000 Base-Tx GbE compatible

Power Requirement

DC Input	+12V ~ +26V
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

Software Support

OS	Win 10 / Linux
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Certification

Certification Information	CE / FCC Class B
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Panel

LCD Size	21.5" 16:9
Display Type	Full HD
Resolution	1920 x 1080
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	Projective capacitive multi-touch up to 10 points
Touch Light Transmission	89%
Touch Controller	EETI
External I/O	
USB Port	4 x USB3.0 (2 x double deck)
LAN Port	2 x RJ-45
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
Internal I/O	
DIO	16-bit GPIO (option by IET DB)
System Control	
LED Indicator	HDD LED, power LED
Mechanical & Environmental	
Operating Temp.	-10°C ~ 50°C (14°F ~ 122°F)
Storage Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	40°C @ 95% Relative humidity, non-condensing
Dimension (W x L x H)	538.05 x 341.05 x 60.05mm
Weight	7.3 Kg
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
Drop Test	ISTA 2A, IEC-60068-2-32 Test:Ed
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 Mode	AT/ATX (ATX is default)
System Fan	Fanless
Construction - Front	Die casting with cover lens
Construction - Rear	Black die casting

Component

Adapter

Input: 100 ~ 240Vac/ 50 ~ 60Hz
Output: 60W adapter (12V @ 5A adapter) AC-DC adapter

Ordering Information

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ARC-21W34-730-B3R
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-OBDD-1R
OBDD - CAN Bus Kit for ARC Series (OBDD/EOBD for Small Vehicle)

ACC-ARC-OBDD-2R
OBDD - CAN Bus Kit for ARC Series (J1939J1708 for Large Vehicle)

ACC-ARC-OBDD-3R
OBDD - CAN Bus Kit for ARC Series (ISO15765-4 for Special Large Vehicle)

E1702031833R
USA Power Cord

E1702031000R
EU Power Cord

E1702031834R
Japan Power Cord

E1702031830R
UK Power Cord

E1702031831R
Australia Power Cord