



ARC-15W33

15.6" WXGA LCD with PCAP Multi-Touch Fanless Panel PC Intel® Celeron® N3350 with IET Expansion

- > 15.6" WXGA LCD with PCAP Multi-Touch
- > Onboard Intel® Celeron® N3350 SoC BGA Processor
- > 1 x 204-pin DDR3L SODIMM Socket, Supports Up to 8GB DDR3L 1600MTs SDRAM
- > 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, Cableless Design
- > Fanless Operation from -10 ~ 50°C
- > Wide Range DC Power Input from +9 ~ 36Vdc
- > Service Window, Easy to Install Memory Module
- > Front panel: IP65, Rear: IP41(except I/O)
- > TPM2.0 (optional)

+ Spec

System Information	
Processor	Onboard Intel® Celeron® SoC BGA Processor (Apollo Lake Platform N3350 CPU)
System Memory	1 x 204-pin DDR3L SODIMM Socket, Supports Up to 8GB DDR3L 1600Mhz 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
Other Storage Device	1 x mSATA supports on the 1st Mini PCIe slot, Auto switch for mSATA or Mini PCIe
Panel	
LCD Size	15.6", 16:9
Display Type	WXGA
B/L Inverter/Converter	LCD built in
Resolution	1366 x 768
Pixel pitch	0.252mm(H) x 0.252mm(V)
Luminance	300 cd/m ²
Contrast ratio	500
Viewing angle	80 (U), 80 (D), 80 (L), 80 (R)
Response time	8 ms
Backlight	LED
Touch Type	Projective Capacitive Multi-Touch supports up to 10 points
Touch Light Transmission	88 %
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
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
Audio Interface	speaker out
Speaker Output	2 x 2W
Certifications	
Certification Information	CE / FCC Class B
Ethernet	
LAN Port	2 x Intel I211AT for APL-M
Power Requirement	



DC Input	DC +9V ~ +36V, wide voltage single power input TVS component for surge protection Reverse current/voltage protection
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	0% ~ 90% Relative Humidity, Non-condensing
Dimension (W x L x H)	391.2 x 239.2 x 57.5 mm
Weight	3.7Kgs
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
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 +9V ~ +36V, wide voltage single power input TVS component for surge protection Reverse current/voltage protection
Power Mode	AT/ATX (ATX is default setting)
System Fan	Fanless
Construction - Front	Die Casting with Cover lens
Construction - Rear	Black Die Casting
Relative Humidity	0~90% Relative Humidity, Non-condensing
Fanless	Yes
Drop	ISTA 2A, IEC-60068-2-32 Test:Ed
Software Support	
OS Information	Linux, Windows 10
Ordering Information	
Ordering Information	ARC-15W33-335-B3R 15.6" 1366x768 Industrial Touch Panel PC, ErP Design, PCAP Multi Touch (F1 Stepping CPU) Intel Celeron SoC N3350 1.10GHz CPU/2GLAN/2COM/4USB/SPK/9~36V 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 OBDI - CAN Bus Kit for ARC Series (OBDI/EODB for Small Vehicle) ACC-ARC-OBDI-2R OBDI - CAN Bus Kit for ARC Series (J1939J1708 for Large Vehicle) ACC-ARC-OBDI-3R OBDI - CAN Bus Kit for ARC Series (ISO15765-4 for Special Large Vehicle)