



ARC-10W33

10.1" WXGA LCD with P-cap Intel® Celeron® N3350 Rugged Touch Panel PC with IET Expansion

- > 10.1" 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
- > 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 +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	One 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
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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	10.1" 16:10
Display Type	WXGA
B/L Inverter/Converter	LCD built in
Resolution	1280x800
Pixel pitch	0.1695mm(H) x 0.1695mm(V)
Luminance	350 cd/m2
Contrast ratio	800
Viewing angle	85 (U), 85 (D), 85 (L), 85 (R)
Response time	25 ms
Backlight	LED
Touch Type	PCAP Multi-Touch support 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
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DC In/Out Characteristics

Power Type	AT/ATX
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Audio

Audio Codec	Realtek ALC888S
Speaker Output	2 x 2W

Certifications

Certification Information	CE / FCC Class B
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Ethernet

LAN Port	2 x Intel I211AT for APL-M
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Power Requirement

DC Input	DC +9V ~ +36V, wide voltage single power input TVS component for surge protection Reverse current/voltage protection
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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)	282.29 x 200.93 x 50.9mm
Weight	2.17Kgs
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
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
Software Support	
OS Information	Linux, Windows 10
Ordering Information	
Ordering Information	<p>ARC-10W33-33-B2-1R Intel® Celeron® Processor N3350 1.10GHz F1-CPU/2GLAN/2COM/4USB/SPK/12V Adapter/PCAP</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-OBDDI-1R OBDDI - CAN Bus Kit for ARC Series (OBDDI/EOBD for Small Vehicle)</p> <p>ACC-ARC-OBDDI-2R OBDDI - CAN Bus Kit for ARC Series (J1939J1708 for Large Vehicle)</p> <p>ACC-ARC-OBDDI-3R OBDDI - CAN Bus Kit for ARC Series (ISO15765-4 for Special Large Vehicle)</p>