



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	
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
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	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
Audio	
Chipset	Realtek ALC892
Speaker Output	2 x 2W
Ethernet	
LAN Port	2 x Intel I211AT for APL-M
DC In/Out Characteristics	
Power Type	AT/ATX
Mechanical & Environmental	
Power Requirement	DC +9V ~ +36V, wide voltage single power input TVS component for surge protection Reverse current/voltage protection

www.avalue.com.tw



Power Type	AT/ATX
Operating Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Weight	2.3Kgs
Mounting Kit	Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm Panel Mount with mounting kits
Dimension (L x W x H)	282.3 x 201 x 45.8mm
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	0~90% 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 +9V ~ +36V, wide voltage single power input TVS component for surge protection Reverse current/voltage protection
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

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