



Features

- Onboard Intel® Atom™ SoC E3845 Quad-Core 1.91 GHz CPU
- One 204-Pin DDR3L SO-DIMM Socket Supports Up to 8GB DDR3L 1333 SDRAM
- 4 x USB, 2 x COM
- Dual Intel® I210IT Gigabit LAN
- Wide Voltage +12V ~ +26V Input, ErP Power
- Available Expansion for Audio, USB, COM, HDMI, PCIe, GPIO, CAN Bus
- IP65 Compliant Front Panel, IP41 Rear Box
- 5-wire Resistive Touch
- TPM 1.2 Function (Optional)



Specifications

Panel

LCD Size	12.1", 4:3
Display Type	XGA
Resolution	1024 x 768
Pixel pitch	0.1905 mm (H) x 0.1905 mm (V)
Luminance	600 cd/m ²
Contrast ratio	700
Viewing angle	80 (U), 80 (D), 80 (L), 80 (R)
Response time	16 ms
Backlight	LED
Touch Type	5 Wires resistive
Touch Light Transmission	80%
Touch Controller	Onboard USB touch (PenMount)

System

SBC	ARC-BYT
Processor	Intel® Atom™ SoC E3845 4-Core 1.91 GHz processor
I/O Chipset	EC ITE IT8528E
System Memory	1 x 204-Pin DDR3L 1333MHz SO-DIMM up to 8 GB
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec./1sec.step

Expansion & Storage

Expansion	1 x Mini PCIe Support mSATA 1 x Optional 80-pin Expansion
Storage	1 x 2.5" Drive Bay (7mm HDD Restricted)

I/O

USB	1 x USB 3.0 3 x USB 2.0
SATA	1 x SATA II
COM Port	1 x RS-232/422/485, 1 x RS232
Other	1 x WiFi 3 x Knockouts for Antenna Mounting

Audio

Chipset	Realtek ALC892
Audio Interface	Speaker Out
Speaker Output	2 x 1W

Ethernet

Chipset	2 x Intel® I210IT
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45

Power Requirement

Power Requirement	+12V ~ +26V
Power Type	AT/ATX
Adapter	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter) AC-DC Adapter

Mechanical & Environmental

System Fan	Fanless
Construction - Front	Silver Aluminum
Construction - Rear	Black
Dimension	284 x 223 x 46 mm
Weight	2.4 Kgs
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Storage Temperature	-30°C ~ 70°C (-22°F ~ 158°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Vibration Test	With SSD/mSATA : 5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis
Shock Test	With CF/SSD : 20Grms, IEC 60068-2-27, Half Sine, 11ms

Certifications & Software Support

Certification	CE
Information	FCC Class B
OS Information	Win 7, Win 8, Linux

Ordering Information

ARC-1209-384-A1R

ARC-1209 w/E3845/XGA/4GR/A1R

ACC-ARC-USB-1R

4 x USB3.0 module

ACC-ARC-Audio-1R

HDMI + Audio (Line out, Line in, Mic in)

ACC-ARC-MPCIe-1R

HDMI + Mini PCIe (w/ SIM slot)