



ARC-1209

12.1" Intel® Atom™ SoC Processor E3845 Fanless Rugged Touch Panel PC with IET Expansion

- > Onboard Intel® Atom™ E3845 Quad-Core 1.91GHz
- > One 204-pin DDR3L SODIMM Socket Supports Up to 8GB DDR3L 1333 SDRAM
- > 4 USB, 2 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

+ Spec

System	
Processor	Intel® Atom™ E3845 4-Core 1.91GHz processor
System Memory	1 x 204-Pin DDR3L 1333MHz SO-DIMM up to 8 GB
I/O Chip	EC ITE IT8528E
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec./1sec.step
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage
SBC	ARC-BYT
Expansion	
Expansion	1 x Mini PCIe Support mSATA 1 x Optional 80-pin Expansion
Storage	
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 (Factory Optional) 1 x RS-232
Other	1 x WiFi 3 x Knockouts for Antenna Mounting
Display	
Chipset	Intel® Valleyview SoC integrated Graphics Supports optional dual display
Resolution	HDMI:Max. resolution 1920x1200@ 60Hz
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
Mechanical & Environmental	
Operating Temp	-30°C ~ 60°C (-22°F ~ 140°F)
Storage Temp	-30°C ~ 70°C (-22°F ~ 158°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Weight	2.4Kgs
Dimension (L x W x H)	283 x 222 x 46mm
Vibration Test	With SSD/mSATA : 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	Silver Aluminum
Construction - Rear	Black
Certifications	
Certification Information	CE / FCC Class B
Software Support	
OS Information	Win 7 Win 8 Linux
Power Requirement	



Power Connector	Lockable DC Jack
Power Requirement	+12V ~ +26V
Power Mode	AT/ATX (ATX is default setting)
Adapter	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter)
Panel	
LCD Size	12.1", 4:3
Display Type	XGA
Resolution	1024x768
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)

Ordering

ARC-1209-384-A1R
ARC-1209 w/E3845/XGA/4GR/A1R

ARC-BYT DB-A
4 x USB3.0 module

ARC-BYT DB-B
HDMI + Audio (Line out, Line in, Mic in)

ARC-BYT DB-C
HDMI + Mini PCIe (w/ SIM slot)

ACC-ARM-D29R
ARM A800B VESA standard 75*75 & 100*100mm

ACC-CF-XX
CompactFlash Card Series

(xx=Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4, 8 GB)