



Features

- Onboard Intel® Celeron® J1900 4-Core 2.0GHz CPU with Integrated Chipset
- 1 x Intel® Gigabit Ethernet, 5.1-CH Audio
- 1 HDMI, 1 CF, 1 COM, 2 USB, 2.5" HDD Support
- Optional Mini PCIe WiFi Module
- Front Side IP65 Dust and Water Proof
- Fanless System & VESA Compliance
- AC 110 ~ 220V Operation, ErP Power
- 1.3M Camera, Light Sensor and IR Remote Controller
- Timer-Power-On



Specifications

Panel

LCD Size	42", 16:9
Resolution	1920 x 1080 Full HD, 1073M
Pixel Pitch	0.4845mm (H) x 0.4845mm (V)
Luminance	500cd/m ²
Contrast Ratio	4000
Viewing Angle	89 (U), 89 (D), 89 (L), 89 (R)
Response Time	8ms
Backlight	LED
Touch Type	SAW
Light Transmission	90%
Touch Interface	USB

System

Board	EBM-BYT
CPU	Onboard Intel® Celeron® J1900 4-Core 2.0GHz with Integrated Chipset
BIOS	AMI uEFI BIOS, 64/128Mbit SPI Flash ROM
System Chipset	SoC, Integrated in Processor
I/O Chip	E/C IT8528E
System Memory	One 204-pin SODIMM Socket Supports Up to 8GB DDR3L 1066/1333 SDRAM
SSD	One CompactFlash Type I/II Socket
Hard Driver Bay	Optional One 2.5" SATA HDD or SSD
WiFi	Optional Mini PCIe WiFi 802.11b/g/n
Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
Expansion	2 x Mini PCIe (1 Supports mSATA)

Rear Panel I/O

Serial Port	1 x RS-232/422/485 (Selected by Jumper)
Ethernet	1 x RJ-45 (Optional 2 nd RJ-45)
HDMI	1 x HDMI
Audio Port	Line-out
USB	1 x USB 3.0, 1 x USB 2.0
Speaker	2 x 5W
Mouse & KB	1 x PS/2 KB & MS (Co-layout with 2 nd LAN)

Display

Chipset	SoC, Integrated in Processor
Resolution	LVDS Through eDP: 1920 x 1200 @ 60Hz HDMI: 1920 x 1200 @ 60Hz
Dual Display	HDMI + LVDS (Clone Mode)

Audio

Audio Codec	Realtek ALC892 Supports 5.1-CH Audio
Audio Interface	Line-out (Audio Jack), AMP Line-in, Line-out, Mic-in (in Header)

Ethernet

LAN Chip	1 x Intel® I211AT Gigabit Ethernet (Optional Dual LAN)
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

Color	Black
Mounting	Wall/Stand/VESA 400mm x 200mm
Power Input	AC 110 ~ 220V Input
Power Output	24Vdc/10.0A (240W)
Power Type	AT/ATX
Operating Temperature	0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-10 ~ 50°C (14 ~ 122°F)
Operating Humidity	5% ~ 90% Relative Humidity, Non-condensing
Dimensions (W x D x H)	1045.4mm x 663.4mm x 86.4mm
Weight	TBD

Ordering Information

MPC-42W9-A1T

42" TFT Touch Panel PC with Intel® Atom™ Quad-Core E3845 1.91GHz CPU

ACC-CF-XX

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

ACC-WIFI-PCIE-9R

Mini PCI-E WiFi 802.11 b/g/n Module w/Antenna, Cable