



Features

- 8" WSVGA TFT Touch Panel PC
- 5-wire Resistive Touch Screen
- Onboard Intel® Atom™ D2550 1.86GHz BGA Processor
- VGA, HDMI, Audio, Dual Gigabit Ethernet
- 1 x CF, 2 x COM, 3 x USB
- Fanless, VESA Compliance
- IP-65 Compliant Front Panel
- Wide Range Voltage Input +12V ~ +26V
- -10°C ~ 60°C Wide Working Temp



CH3

Applied Panel PC-FPC Series

Specifications

Panel

LCD Size	8"
Display Type	WSVGA
Resolution	1024 x 600
Pixel pitch	0.1725 mm (W) x 0.1656 mm (H)
Luminance	500 cd/m²
Contrast ratio	700
Viewing angle	70 (U), 75 (D), 75 (L), 75 (R)
Response time	20 ms
Backlight	LED
Touch Type	5 Wires resistive
Touch Light Transmission	80%

System

SBC	ECM-CDV
Processor	Intel® Atom™ SoC D2550 2-Core 1.86GHz processor
System Chipset	Intel® NM10 Express Chipset
I/O Chipset	Nuvoton W83627DHG-P
System Memory	204-Pin DDR3 1066MHz SO-DIMM up to 4 GB
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step

Expansion & Storage

Expansion	1 x Mini PCIe Supports mSATA
Storage	1 x CompactFlash Type I/II Socket

I/O

USB	3 x USB 2.0
COM Port	1 x RS-232/422/485 1 x RS-232

Audio

Chipset	Realtek ALC892, Support 5.1-CH
Audio Interface	Mic-In and Line-Out

Ethernet

Chipset	2 x Intel® 82574L
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45

Power Requirement

Power Requirement	+12V ~ +26V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
Power Type	AT/ATX (ATX is default setting)
Adapter	Input: 100 ~ 240Vdc/ 50 ~ 60Hz; Output: 60W Adapter (12V @ 5A Adapter) AC-DC Adapter

Mechanical & Environmental

System Fan	Fanless
Construction - Front	Metal
Construction - Rear	Aluminum + Metal
Dimension	225 x 129 x 43.4 mm
Weight	1.27 Kgs
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Vibration Test	With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis
Shock Test	With CF/SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms

Certifications & Software Support

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

Ordering Information

FPC-08W27-00300-2R
 8" WSVGA ECM-CDV, D2550/2G DDR3 A1
[ACC-WIFI-USB-15R](#)
 USB WIFI 802.11b/g/n
[ACC-FPC-WALLMT-02R](#)
 Wall Mount Bracket Kit for FPC-08W