



Features

- Onboard Intel® Atom™ D2550 1.86GHz BGA Processor
- One SO-DIMM socket supports up to 4GB DDR3 1066 SDRAM
- 3 x USB, 1 x COM
- 1 x Intel® 82574L Gigabit LAN, 2W Amplifier
- Wide Voltage +12V ~ +26V Input, ErP Power
- Backlight Controlled by PWM
- IP65 Compliant Front Panel
- Timer-Power-On

CH2

Applied Panel PC-SPC Series



Specifications

Panel

LCD Size	12.1", 4:3
Display Type	XGA
Resolution	1024 x 768
Pixel pitch	0.240mm(H) x 0.240mm(V)
Luminance	600 cd/m ²
Contrast ratio	700
Viewing angle	70 (U), 70 (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 (EETI)

System

SBC	EBM-CDV
Processor	Intel® Atom™ D2550 2-Core 1.86GHz processor
System Chipset	Intel® NM10 Express Chipset
I/O Chipset	EC ITE IT8518E
System Memory	1 x 204-Pin DDR3 1066MHz SO-DIMM up to 4 GB
Watchdog Timer	H/W Reset: 1sec.~255min. and 1sec. or 1min./step

Expansion & Storage

Expansion	1 x Mini PCIe Supports SIM Card
Storage	1 x CompactFlash Type I/II Socket 1 x 2.5" Drive Bay

I/O

USB	3 x USB 2.0
SATA	1 x SATA II
COM Port	1 x RS-232
Other	1 x WiFi

Audio

Chipset	Realtek ALC892
Audio Interface	Line-Out
Speaker Output	2 x 2W

Ethernet

Chipset	1 x Intel® 82574L
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	1 x RJ-45

Power Requirement

Power Requirement	+12V ~ +26V
Power Type	AT/ATX (ATX is default setting)
Adapter	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (24V @ 2.5A Adapter) AC-DC Adapter

Mechanical & Environmental

System Fan	Fanless
Construction - Front	Front & Rear Silver Stainless
Construction - Rear	Black
Dimension	311 x 272 x 58mm
Weight	4.23Kgs
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	20% ~ 80% 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 A
OS Information	Win XP, Win 7, Linux, Win CE

Ordering Information

SPC-1207-255-A2R
12.1" XGA Waterproof Stainless Panel PC with Intel® Atom™ D2550 1.86GHz CPU
ACC-SPC-WIFI-2R
802.11b/g/n MPCle/2Antenna/Cable, only for SPC-12 Series
ACC-ARM-D4R
ARM A800 VESA standard 75x75 & 100x100mm
ACC-ARM-D22R
VESA STAND, 75x75 & 100x100 mm