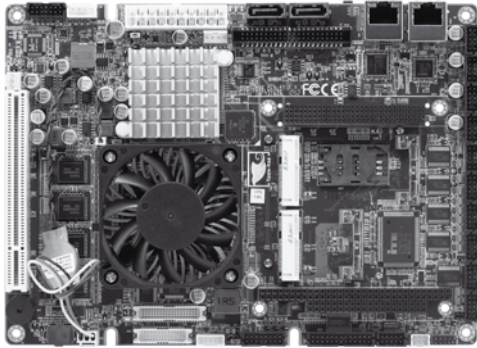


PCM-LN02

Compact Board with Onboard Intel® Atom™ N455/N425/D525 Processors

02

Compact Boards

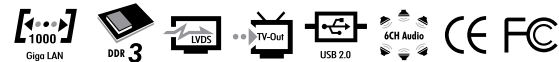


Features

- Intel® Atom™ N455/N425/D525 Processors Onboard + ICH8M
- Onboard Memory 2GB With Option to 4GB
- Integrated Graphic Supports 18-bit LVDS Panel, Share Memory Up To 384MB With DVMT 4.0
- 18-bit LVDS, 24-bit LVDS, or TTL
- 10/100/1000Base-TX x 2, (Realtek RTL8111E)
- Speaker Out With 2W Amplifier (Wafer Box)
- PC-104+ (ISA+PCI), CompactFlash™, PCMCIA (x1 Slot), EIDE x 1
- Mini-Card x 2 (1st: Full Size + SIM; 2nd: Half Size) On Top Side
- RS-232 x 5, RS-232/422/485 x 1
- Optional TPM1.2
- +12V Only Operation With ATX Optional
- SATA 3.0Gb/s x 2 Optional RAID 0 & 1

Specifications

System	
Form Factor	5.25"
Processor	Onboard Intel® Atom™ N455/N425/D525
System Memory	Onboard2GB/4GB DDR3 667/800
Chipset	Atom™ D/M DDR3 + ICH8M
I/O Chipset	ITE 8712F/KX-L + Fintek F81216AD
Ethernet	10/100/1000Base-TX x 2, Realtek 8111E
BIOS	AMI 8MB
Wake on LAN	Yes
Watchdog Timer	255 Levels
H/W Status Monitoring	Monitoring system temperature, voltage, and cooling fan status
Expansion Interface	PCI, PCMCIA, PC-104=(ISA + PCI), two mini-card (1st: full size+SIM; 2nd: half size) on the top side
Battery	Lithium Battery
Power Requirement	DC-12V or ATX or 5V only
Power Consumption (Typical)	—
Board Size	8" x 5.75" (203 mm x 146 mm)
Gross Weight	—
Operating Temperature	32°F~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	—
Display	
Chipset	Intel® Atom™ processor integrated
Memory	Shared memory: 384MB/DVMT 4.0
Resolutions	Up to 1366 x 768, 18bpp for Single LVDS channel supporting resolution; Up to 2048 x 1536 @ 60Hz for Analog RGB display output resolution
LCD Interface	TTL or LVDS 18-bit LVDS or 24-bit LVDS
I/O	
Storage	CFD x1, SATA 3.0Gb/s x 2
Serial Port	RS-232 x 5, RS-422/485 x 1
Parallel Port	SPP/EPP/ECP
USB	USB2.0 x 8
PS/2 Port	KB/MS x 1
Digital I/O	Supports 8-bit (Programmable)
IrDA	—
Audio (Daughter Board)	—



Packing List

- 1709070500
SATA Cable
- 1702151200
Onboard SATA power cable
- 9657666600
Jumper Cap
- 17592LN9T0
Cooler
- Product CD
- PCM-LN02

Ordering Information

- TBD

Optional Accessories

- TBD