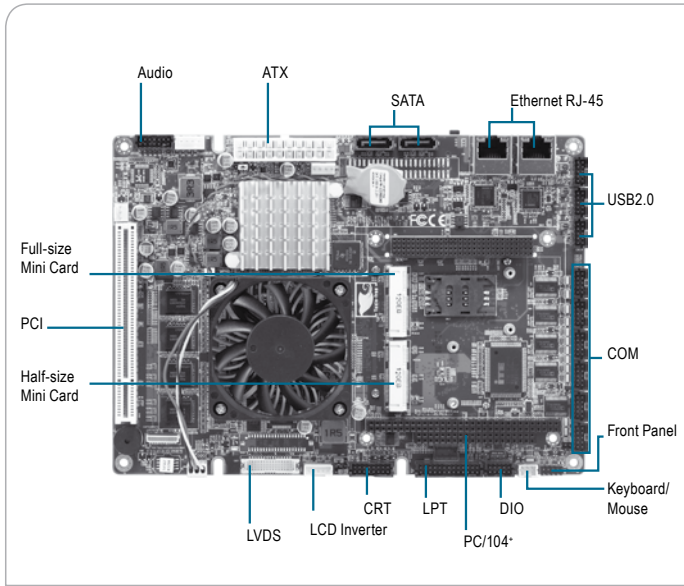


PCM-LN02

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

02

Compact Boards

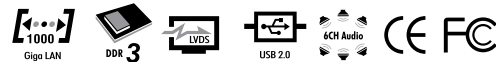


Features

- Intel® Atom™ N455/D525 Processor
- Intel® ICH8M
- Onboard DDR3 Memory, Up to 2 GB
- 10/100/1000Base-TX Ethernet x 2
- Integrated Graphic Supports 18-bit or 24-bit LVDS Panel or TTL (Optional)
- Speaker Out With 2W Amplifier (Wafer Box)
- SATA 3.0 Gb/s x 2, CompactFlash™ x 1, EIDE x 1 (Optional)
- USB2.0 x 6, RS-232 x 5, RS-232/422/485 x 1
- PC/104+ (ISA+PCI), PCMCIA (x1 Slot), Mini-Card x 2 (1st: Full Size + SIM; 2nd: Half-size)
- +12V Only Option With Optional ATX
- Optional TPM1.2

Specifications

System	
Form Factor	5.25"
Processor	Onboard Intel® Atom™ N455/D525
System Memory	Onboard DDR3 667/800, Max. 2GB
Chipset	ICH8M
I/O Chipset	ITE 8712F/KX-L + Fintek F81216AD
Ethernet	Intel® i82567V(PHY) + Intel® i82583V 10/100/1000 Base-TX
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
Power Consumption (Typical)	Intel® Atom™ D525 1.8GHz, 0.1A@+5V, 1.56A@+12V
Board Size	8" x 5.75" (203 mm x 146 mm)
Gross Weight	1.2 lb (0.5 Kg)
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)	60,000
Display	
Supports CRT/LCD Simultaneous/dual view displays	
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	18-bit LVDS or 24-bit LVDS, TTL (optional)
I/O	
Storage	CompactFlash™ 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 6
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
- 17592LN8T0
Cooler
- Product CD
- PCM-LN02

Ordering Information

- **TF-PCM-LN02-A10**
5.25" Board, Intel® Atom™ D525, CRT-LVDS(24bit), DDR3, 2 LAN, Audio, 6 COM, 6 USB, PCI, PC/104+, PCMCIA, Mini Card, ATX, Rev. A1.0
- **TF-PCM-LN02-A10-01 (Fanless)**
5.25" Board, Intel® Atom™ N455, CRT-LVDS(24bit), DDR3, 2 LAN, Audio, 6 COM, 6 USB, PCI, PC/104+, PCMCIA, Mini Card, DC12V, Rev. A1.0
- **TF-PCM-LN02-A10-02**
5.25" Board, Intel® Atom™ D525, CRT-LVDS(18bit), DDR3, 2 LAN, Audio, 4 COM, 4 USB, Mini Card, ATX, Rev.A1.0
- **TF-PCM-LN02-A10-03 (Fanless)**
5.25" Board, Intel® Atom™ N455, CRT-LVDS(18bit), DDR3, 2 LAN, Audio, 4 COM, 4 USB, Mini Card, DC12V, Rev. A1.0

Optional Accessories

- 1709100208
USB Cable, Length 20cm
- 1700140510
Audio Cable, Length 51cm
- 1701100206
COM Port Cable, Length 20cm
- 1701260201
Parallel Port Cable, Length 20cm
- 1709070500
SATA Cable, Length 50cm
- 1701160201
VGA Cable, Length 20cm