

### PCM-LN05



Embedded Intel® Atom N455 Single Core 1.66GHz / D525 Dual Core 1.8GHz

Up to 4 DDR3 667/800 SODIMM on D525; Max 2GB for N455

2x Gigabit Ethernet ports (Intel® 82567V & Intel® 82583V)

7x USB 2.0 ports

5x RS232 Serial, 1x RS232/422/485 Serial ports

8-Bit Digital I/O

2x SATA 3.0Gb/s (Optional RAID 0 & 1)

CompactFlash™

1x Mini-PCIe Mini Card (PCIe and USB)

Onboard 4/5/8-wire Resistive Touch Screen Controller

The PCM-LN05 is a cutting-edge product that provides high performance and low power consumption for the embedded market. The PCM-LN05 adopts the latest Intel® Atom processors and supports DDR3 667/800 SODIMM RAM Max 4GB for D525; Max 2GB for N455. Additionally, the PCM-LN05 supports Dual 10/100/1000Base-T Ethernet that allows for faster network connections. This PCM-LN05 also supports one Mini Card, one LPC Bus expansion, two SATA 3.0 Gb/s (optional RAID 0 &1), and one Type II CompactFlash. In addition to the diverse storage and expansion, the PCM-LN05 provides seven USB2.0, six COM, one parallel, and one keyboard/mouse ports. The PCM-LN05 supports CRT/LCD simultaneous/dual view displays and 18/24-bit single channel LVDS. The PCM-LN05 is developed to cater

to the requirements of Automation, Medical, ticket machine, transportation, gaming, KIOSK, and POS/POI applications.   \*\*Flash Disk and

Memory not included.\*\*

Specifications  
SLC type.

Single Board Computers > 1 GHz

Processor  
Processor.

Embedded Intel Atom D525 or N455

Clock Speed:

1.8 GHz

Real Time Clock:

Processor Misc.:

Additional Processor: Embedded Intel Atom D525 1.8 GHz

Chipset: ICH8M

Memory

BIOS/ Bootloader:

AMI Plug & Play SPI BIOS - 2MB Flash

Primary Flash:

1x CompactFlash™ card Type II

Memory Misc.:

204-pin DDR3 800 MHz SODIMM x 1, up to 4 GB for Intel® Atom™ D525

204-pin DDR3 800 MHz SODIMM x 1, up to 2 GB for Intel® Atom™ N455

Primary I/O

GPIO.

1x 8-bit digital I/O support

Disk Interface:

SATA

Video Out:

Intel Dual Display CRT/LCD up to 224 MB shared

Audio:

mic-In/line-in/line-out

Ethernet:

Intel 82567V & 82583V 10/100/1000 with 2x RJ-45 connectors

USB:

7x USB 2.0

Serial Ports:

5x RS-232

1x RS-232/422/485

Watchdog:

Primary I/O Misc.:

SATA Interface: Two SATA (300 MB/S) Channels

Ethernet Chipset: GbE1 Intel 82567, GbE2 Intel 82583V

Secondary I/O

LPT Port:

Keypad:

PS/2:

Analog on  
A/D.

D/A:

Dimensions  
Dimensions:

5.7 × 4 in

Weight:

400 g

Form Factor:

Half EBX

Power Requirements  
Power MISC.:

Power Supply Voltage: +12V or +5V (Optional)

Power Management APM , ACPI

Environmental  
Low Operating Temperature:  
0 C

High Operating Temperature:  
60 C

Pricing  
PCM-LN05D

TF-GENE-LN05-B10, D525, 2x1.8GHz, 2x SATA, 6x COM, 7x USB2, 2x GbE, TS Controller, Audio, 8x DIO, CRT, LVDS, +12V  
\$419.00

Parent Product:

PCM-LN05N

TF-GENE-LN05-B10-01, N455, 1x1.66GHz, 2x SATA, 6x COM, 7x USB2, 2x GbE, TS Controller, Audio, 8x DIO, CRT, LVDS, +12V  
\$416.00

Parent Product:

PCM-LN05N-5

TF-GENE-LN05-B10-02, N455, 1x1.66GHz, 2x SATA, 6x COM, 7x USB2, 2x GbE, TS Controller, Audio, 8x DIO, CRT, LVDS, +5v  
\$416.00

Order:

0

Parent Product:

PCM-LN05D-5

TF-GENE-LN05-B10-03, D525, 2x1.8GHz, 2x SATA, 6x COM, 7x USB2, 2x GbE, TS Controller, Audio, 8x DIO, CRT, LVDS +5V  
\$419.00

Order:

0

Parent Product:

PCM-LN05N-ET

TF-GENE-LN05W1-B10-01, N455, 1x1.66GHz, 2x SATA, 6x COM, 7x USB2, 2x GbE, TS Controller, Audio, 8x DIO, CRT, LVDS, +12V (-20°C ~ 70°C )  
\$468.00

Order:  
0

Parent Product:

PCM-LN05N-WT

TF-GENE-LN05W2-B10-01, N455, 1x1.66GHz, 2x SATA, 6x COM, 7x USB2, 2x GbE, TS Controller, Audio, 8x DIO, CRT, LVDS, +12V (-40°C ~ 85°C )  
\$510.00

Order:  
0

Parent Product:

Cables & Adapters:

CAB-40-020-1  
1700050207, CBL USB 20cm, for GENE  
\$8.00

CAB-35-028-1  
1701090150, CBL COM RS-232 9P-DB9 15cm, for GENE  
\$8.00

CAB-60-022-1  
1709100254, CBL AUDIO, 25cm, for GENE  
\$12.00

CAB-20-012-1  
1709070500, CBL SATA, 50cm  
\$8.00

CAB-30-016-1  
1701260200, CBL Parallel LPT, 20cm for PFM-540I & GENE  
\$8.00

CAB-80-033-R  
170204010R, +12v power cable for GENE  
\$8.00

CAB-80-034-R  
1702150155, SATA power cable for GENE  
\$8.00

CAB-80-035-R  
170220020B, ATX power cable for GENE  
\$14.00

CAB-50-017-1  
1700060157, Keyboard & Mouse cable for GENE  
\$8.00

Memory:  
SKU: PER-RAM-00130-R

PER-RAM-00130-R

\$21.00

Product State:

**Final**

RAM types:

**DDR3 SODIMM**

Variations:

2GB, DDR3, SODIMM 204P PC3-8500

Status: Active

Call for Price:

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