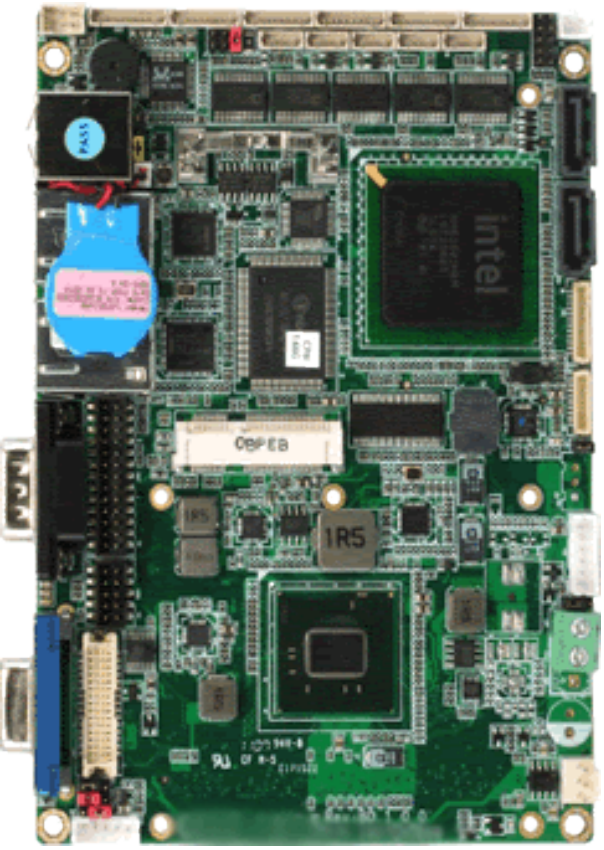
Published on EMAC Inc. (https://www.emacinc.com)
Source URL: https://www.emacinc.com/content/pcm-ln05

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

SBC 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:

Source URL: https://www.emacinc.com/content/pcm-ln05