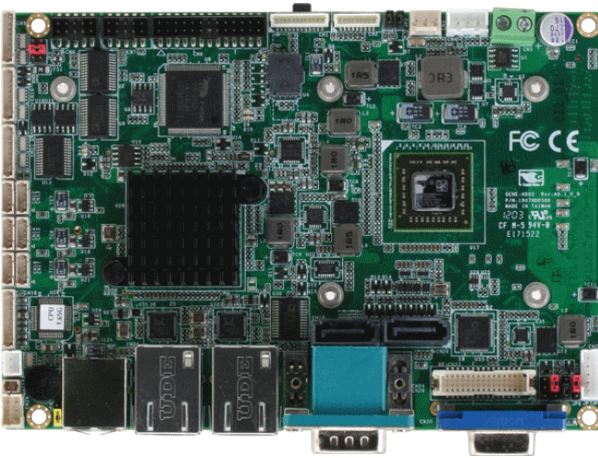


GENE-HD05



Onboard AMD® G-Series TM T56N/T40E/T40R Processor

AMD A50M

SODIMM DDR3 1066/1333(T56N) up to 4GB

Gigabit Ethernet x 2, RJ-45 x 2

CRT, 18/24/36/48-bit LVDS, HDMI

2CH HD Audio

SATA 3.0Gb/s x 2, CFast™ x 1, mSATA x 1 (Config. by BIOS)

USB2.0 x 8, COM x 4, Parallel x 1, 8-bit Digital I/O

Onboard 4/5-wire Resistive Touch Screen Controller

Mini Card x 1 (Config. by BIOS)

+12V Only Operation

The CPU is EOL for this product, please see this article for more information. The GENE-HD05 uses an onboard AMD® G-series™ T56N/T40E/T40R Processor and features up to 4GB DDR3 SODIMM 1066/1333 system memory. The GENE-HD05 adopts an AMD® A50M chipset to achieve excellent performance. In addition the GENE-HD05 deploys a Realtek® 8111E Ethernet chip to feature two RJ-45 ports. The display chipset on the GENE-HD05 supports 18/24-bit dual/single channel LVDS LCD and HDMI. In addition to the Mini Card expansion, this model has two SATA and one CFast™ for storage. This board has eight USB 2.0 ports, four COM ports, 8-bit Digital I/O for flexible I/O expansion.

Specifications

Single Board Computers > 1 GHz

Processor

AMD G-Series T56N/ T40E/ T40R

Real Time Clock:

Processor Misc.:

Chipset: AMD A50M

I/O Chipset: Fintek F81886DG

Memory
BIOS/Bootloader:

AMI Plug & Play SPI BIOS - 4MB Flash

Memory Misc.:

Memory is UP to 4GB

Primary I/O
GPIO:

8-bit Digital I/O (Programmable

4-in & 4-out)

Disk Interface:

SATA 3.0Gb/s x 2 CFast™ x 1

mSATA x 1 (co-lay with Mini Card (Config. by BIOS))

Video Out:

CRT/ LVDS/ HDMI

Audio:

Line-in/Line-out/Mic-in

Ethernet:

Realtek 8111E for 10/100/1000Base-TX RJ-45 x 2

USB:

USB2.0 x 8

Serial Ports:

RS-232 x 3

RS-232/422/485 (auto flow) x 1

SPP/EPP/ECP x 1

Watchdog:

Secondary I/O
L1 I/O:

Keypad:

PS/2:

Analog on
A/D:

D/A:

Dimensions
Dimensions:

5.75 × 4 in

Weight:

0.4 kg

Form Factor:

Half EBX

Power Requirements
Typical Current:

1.63 A

Typical Voltage:

12 V

Power Misc.:

H/W Status Monitoring : Supports power supply voltages and temperature monitoring

Battery: Lithium batter

Environmental

Pricing

GENE-HD05-A10

AMD T56N Fan 1x touch RS-232

\$0.00

Order:

0

Parent Product:

GENE-HD05-A10-01

AMD T40E Fanless 1x touch 3x RS-232

\$0.00

Order:

0

Parent Product:

GENE-HD05-A10-02

AMD T40R Fanless 2x RS-232

\$0.00

Order:

0

Parent Product:

Source URL: <https://www.emacinc.com/content/gene-hd05>