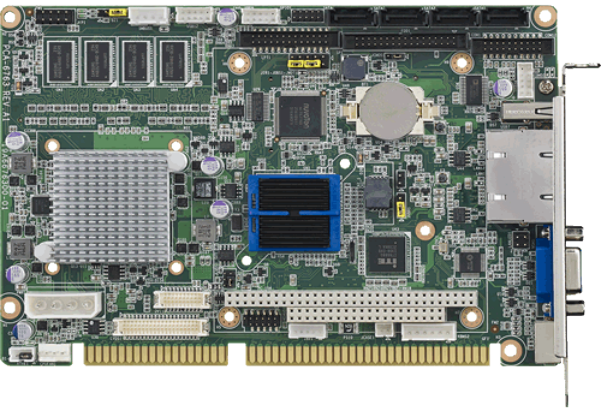
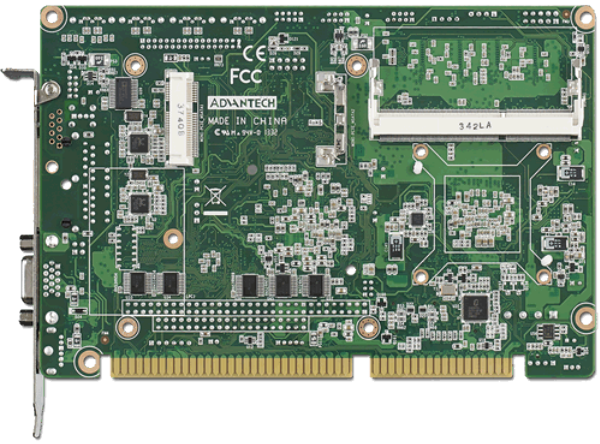
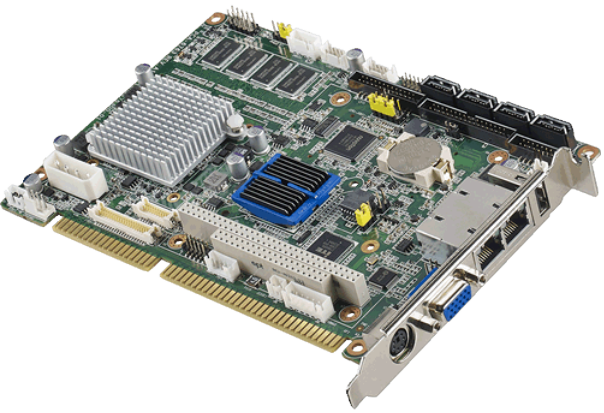
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PCA-6763







ƒƒUltra low power, fanless AMD Accelerated Processing Unit T16R

ƒƒ1GB DDR3 1066 memory onboard plus upto 4GB DDR3 1066 SODIMM

ƒDual independent display (VGA, LVDS or DVI)

ƒƒUp to 2 GbE LAN supported

Up to 7 USB 2.0 (480 Mbps)

ƒlegacy I/O, such as FDD/ PC/104/ COM/ LPT supported

Ultra low power, fanless AMD Accelerated Processing Unit T16R

4 SATA 3.0 (600 MB/s) and 1 m-SATA (600 MB/s)

ƒlegacy I/O, such as FDD/ PC/104/ COM/ LPT supported

Optional module for 4 RS-422/485 or 4 RS-232, TPM and HD audio

8x GPIO

G2 SKU: Supporting dual 10/100/1000 Mbps Ethernet ports with Realtek RTL8111E-VL-CG.

VG SKU: Supporting single 10/100/1000 Mbps Ethernet port with Realtek RTL8111E-VL-CG

Graphics:

- Controller: APU integrated (AMD GPU Radeon HD 6250)
- Display memory: Optimized shared memory architecture up to 384 MB system memory
- Dual display support: G2 SKU: Choosing two interface from VGA (Default), LVDS, and DVI
  - CRT: Resolution can be up to 1920 x 1200 @60Hz
  - DVI (G2 SKU): Resolution can be up to 1920 x 1200 @60Hz
- LVDS:
  - – G2 SKU: 48 bit (Dual channel 24 bit) LVDS up to 1920 x 1200 @ 60Hz
  - – VG SKU: 18 bit LVDS up to 1024 x 768@60Hz

Input/Output

- ISA Backplane Support: PCA-6104-0C2E, PCA-6106-0B2E, PCA-6108E-0B2E
- Enhanced parallel port: This EPP/SPP/ECP port can be configured to LPT1, LPT2, LPT3 or disabled
- Serial ports: Two RS-232 serial ports on board. Extra four RS-232 or RS 422/ 485 serial ports supported by optional COM module via low pin count connector
  - (P/N: PCA-COM232-00A1E/PCA-COM485-00A1E)
- PS/2 keyboard and mouse connector: 1 (6-pin DIN socket on bracket for PS/2 keyboard and mouse)
- USB port:
  - – G2 SKU: USB 2.0 x7 (1 on bracket, 6 onboard)
  - – VG SKU: USB 2.0 x6 (6 on board)
- SATA: Four SATA 3.0 ports (600 MB/s)

- m-SATA: One m-SATA device (600MB/s)
- Floppy Disk Drive Interface: One floppy drives, 5 1/4 (360KB and 1.2 MB), and/or 3 1/2 (720KB, and 1.44 MB) BIOS enable/ disable
- HD audio: One HD AUDIO interface for optional module: PCA-AUDIO-HDA1E
- Low pin count: One low pin count connector for optional module: PCACOM232-00A1E/PCA-COM485-00A1E/PCA-TPM-00A1E
- GPIO: 8-bit GPIO support
- ISA & PC/104: Support full 16-bit ISA bus interface and one PC/104 connector

PCA-6763 is an AMD G-series T16R based, fanless ISA half-size single board computer. With AMD's fully Iegacy support, the product provides completed ISA function and is compatible with a variety of operation systems, such as, Win CE6.0, XPE, Windows XP and Windows 7, offering customers an ideal solution in manufacturing and factory automation. Besides completed ISA and PC/104 support, the single board computer designed with onboard memory, m-SATA and fanless thermal module targets especially in low power and vibration concerned applications, such as motion control, and entry-level CNC. For customer requiring more than one GbE LAN and 1GB onboard memory, the model offers dual LAN SKU and extra SO-DIMM socket (up to 4GB) to get better flexibility. As for I/O support, the single board computer provides four SATA III interface (600MB/s) for mainstream SSD, HDD, and ODD connections. It also has up to seven USB 2.0 ports for USB devices. Additionally, the two RS-232 ports can be used as reliable legacy device control interfaces. Users can purchase a COM module (P/N: PCA-COM485-00A1E and PCA-COM232-00A1E) to have four extra serial ports with auto flow control capability. In addition to board-level products, also offered is a series of small form-factor wall-mount chassis. With the low power, compact sized, high-reliability, and system-level solutions, PCA-6763 is the ideal computing platform for modern industrial applications.

Specifications

SBC Type:
Single Board Computers < 1 GHz

Processor

Processor:
AMD G-Series APU T16R
Clock Speed:
615 MHz
Real Time Clock:
Processor Misc.:
Ultra low power, fanless AMD Accelerated Processing Unit T16R

Memory

BIOS/ Bootloader:
AMI-EFI
Primary Flash:
mSATA
Secondary Flash:
4 x SATA 3.0 HDD/SSD or DOM
Memory Misc.:
up to 4GB on 1 x 204-pin SODIMM socket

Primary I/O

GPIO:
8x GPIO
Disk Interface:
4 x SATA 3.0 & 1x mSATA
Video Out:
VGA & LVDS
(DVI Optional)

Audio:
HD Audio (optional)
Ethernet:
10/100/1000 Mbps (2x 10/100/1000 Mbps on G2)
USB:
6x USB2
Serial Ports:
Two RS-232 onboard pin-headers
Watchdog:
Primary I/O Misc.:
1x parallel (EPP/ECP/SPP)

Secondary I/O
LPT Port:
Keypad:
PS/2:
Secondary I/O Misc.:
Floppy disk interface

Analog on
A/D:
D/A:

Dimensions
Dimensions:
7.3 × 4.8 in
Form Factor:
Half Size ISA Card
Dimensions Misc.:
185 mm (L) x 122 mm (W) (7.3" x 4.8")

Power Requirements
Power Misc.:
Power-

+12v @ .17A
+5v @1.87A

Environmental
Low Operating Temperature:
0 C
High Operating Temperature:
60 C
Upper Operating Humidity:
85%
Environmental Misc.:
Operating
Temperature 0 ~ 60° C (32 ~ 140° F) (operating humidity:40° C @ 85% RH Non-Condensing)

Non-Operating
-40° C ~ 85° C and 60° C @ 95% RH Non-Condensing

Pricing
PCA-6763G2
PCA-6763G2, AMD T16R, 1GB, 2x 232, 7x USB2, 2x GbE, 8x GPIO, VGA & DVI
$325.00
Order:
0
Parent Product:

PCA-6763VG
PCA-6763VG, AMD T16R, 1GB, 2x 232, 6x USB2, 1x GbE, 8x GPIO, VGA
$298.00
Order:
0
Parent Product:

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