

Published on EMAC Inc. (https://www.emacinc.com)

Source URL: https://www.emacinc.com/content/pca-6753

## PCA-6753



On-board NS GX1-233 MHz CPU or low power GX1-300

ISA Bus Interface

On-board PC/104 expansion connector

On-board 10/100 Base-T Ethernet with wake-up on LAN/Modem

62 Level Watchdog Timer

On-board VGA/LCD Display Controller with Backlight control

DiskOnChip Flash Disk support

Single +5 V power supply

Fanless Operation

The PCA-6753 is a Half-sized ISA bus SBC with an on-board, embedded low power 300 MHz NS GX1 processor. Other on-board features include a VGA/LCD controller with Universal Memory architecture, 18-bit LCD TFT display, 10/100 Mbps PCI Ethernet interface. A PC/104 expansion connector is provided, plus SSD support for DiskOnChip Flash Disk. A 62-level watchdog timer and jumperless on-line setup is also supported. In addition, the Geode Pentium Classs CPU has been specially designed to work well in environments with temperatures of up to 60°C without need of a fan. Eliminating the CPU fan from a system significantly reduces MTBF worries. Specifications

SBC Type:
EOT Single Board Computers
Processor Processor
On-board NS
Clock Speed:
300 MHz
Real Time Clock:
Memory Biography Bouloader:
AWARD 256KB Flash BIOS
Primary Flash:
DiskOnChip 2000
Primary I/O DISK INICITACE.
2x FDD
2x Enhanced IDE (UDMA 33)
Video Out:
NS CS5535 CRT/LCD
Ethernet:
10/100 Ethernet
USB:
2x USB 2.0
Serial Ports:
1x Parallel SPP/EPP/ECP
1x RS-232
1x RS-232/422/485
Watchdog:
Primary I/O Misc.:
Serial Ports (PCA-6753FC) : 3x RS-232 1x RS-232/422/485
Infrared port: Supports up to 4 Mbps FIR transmitting rate, IrDA 1.1 compliant
NS CX5530 VGA Interface
Chipset: NS CX5530
Display memory: 1 ~ 4 MB shared with system memory
Display type: Simultaneously supports for CRT and 18-bit TFT LCD display (supports 3.3 V LCD)
Resolution:
<ul> <li>Non-interlaced CRT monitor resolution up to 1024 x 768 at 16 bpp</li> </ul>
<ul> <li>Panel resolution up to 1024 x 768 at 18 bpp TFT panel</li> </ul>
Secondary I/O
Secondary I/O
Keypad:
PS/2:
Analog on A.D.
D/A:
<i>ν</i> /1.
Dimensions

$1.3 \times 4.8 \text{ in}$	
Weight:	
0.48 g	
Form Factor:	
Half Size ISA Card	
Power Requirements	
5 V	
Typical Current:	
1.5 A	
Typical Voltage:	
5 V	
Max Boot Current:	
4 A	
Power Misc.:	
Power management: APM 1.2 compliant power management	
_ Environmental	
Environmental Low Operating Temperature:	
0 C	
High Operating Temperature:	
60 C	
Upper Operating Humidity:	
90%	
Pricing	
PCivi-0753FC-G	
GX1-300 MHZ SBC W/ LAN, 4 COM, VGA/LCD	
\$0.00	
PCA-6753F-G	
GX1-300 MHZ Slot SBC W/ LAN, VGA/LCD	
\$0.00	
Parent Product:	
Cobles & Adoptors	
Cables & Adapters: CAB-40-002-1	
USB Adapter Cable \$12.00	
IRDA ADAPTER ASSEMBLY	
IRDA Adapter Assembly	
\$0.00	
ψο.σο	

Dimensions:

Source URL: https://www.emacinc.com/content/pca-6753