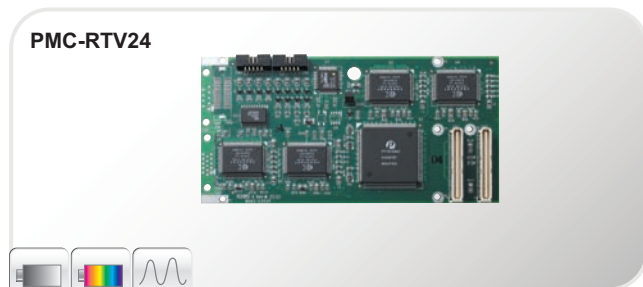


Extension Modules: PMC Bus

PMC-RTV24/G 4-CH Real-time Video Capture Board for NTSC/PAL Cameras



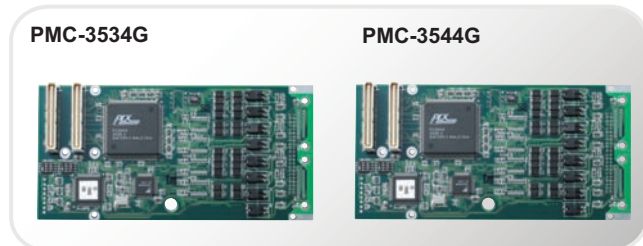
Ordering Information

PMC-RTV24	4-CH real-time video capture board for NTSC/PAL cameras
PMC-RTV24G	4-CH real-time frame grabber with panel for GEME series

Specifications

Bus Interface	32-bit, 33 MHz PMC Bus
Acquisition Speed	Up to 120 frames per second
Channel Input	Up to 4 channels composite video input
Camera Support	Color: PAL / NTSC Monochrome: CCIR / EIA
GPIO	On-board TTL I/O lines
Utility	ViewCreator
Point of Access in GEME System	PMC-RTV24: Side access PMC-RTV24G: Front access
OS Driver Support	Windows XP/CE.NET, Linux (kernel 2.4.18)
Recommended Platforms	Windows XP/XPe/CE.NET, Linux (kernel 2.4.18)

PMC-3534/3544/G PMC 4-port RS232/ RS-422/ RS-485 Serial Communications Modules



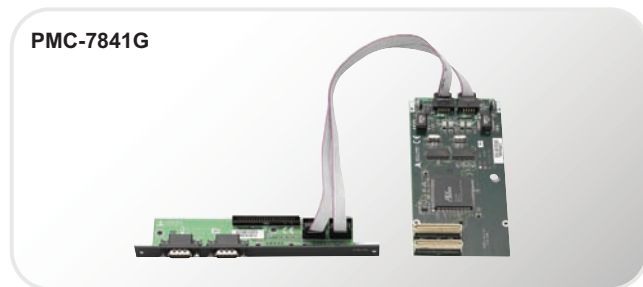
Ordering Information

PMC-3534	32-bit/33MHz PMC 4-port RS-232 serial comm. module
PMC-3534G	32-bit/33MHz PMC 4-port RS-232 serial comm. module with panel for GEME series
PMC-3544	32-bit/33MHz PMC 4-port RS-422/RS-485 serial comm. module
PMC-3544G	32-bit/33MHz PMC 4-port RS-422/RS-485 serial comm. module with panel for GEME series

Specifications

Form Factor	Single size PMC, 74.0 x 149.0 mm (W x D)
PCI Bus	32-bit / 33MHz
V(I/O)	3.3 V or 5 V Universal V(I/O)
Serial Communications Controller	16C554
Connector	SCSI 36 female front bezel
Max. System Throughput	115.2K x 4
Point of Access in GEME System	PMC-3534 / 3544: Side access PMC-3544G: Front access (four DB9 male connectors)
OS Driver Support	Windows XP/XPe/CE.NET, Linux (kernel 2.4.18)

PMC-7841/G PMC 2-CH CAN Bus Communications Modules



Ordering Information

PMC-7841	2-CH CAN bus communications module
PMC-7841G	2-CH CAN bus communications module with panel for GEME

Specifications

Form Factor	74.0 x 149.0 mm (W x D)
PCI Bus	32-bit / 33MHz
V(I/O)	3.3 V or 5 V Universal (I/O)
CAN Specification	CAN 2.0 parts A and B
Transfer Speed	Up to 1Mbps programmable transfer rate
Isolation Protection	2500 Vrms isolation protection
Point of Access in GEME System	PMC-7841: Side access PMC-7841G: Front access (2 DB9 male connectors)
OS Driver Support	Windows XP/XPe

Extension Modules: PC-104

MPC-7664 Isolated 64-CH DI/DO Module



Specifications

Number of Channels	32 in / 32 out MPC-7664
External Interrupt Channel	1
Bus	PC-104
Dimension	152 x 104.5 mm (W x D)
Input Voltage	12 VDC to 24 VDC ($\pm 10\%$)
Input Current	5 to 15 mA (Max.)
Input Turn-on Time (off \rightarrow on)	3.5 μ s (Typ.)
Input Turn-off Time (on \rightarrow off)	50 μ s (Typ.)
Voltage Between Two Terminals	30 Vcc (Max.)
Output Current	80 mA (Max.)
Output Voltage Drop	1.0 V (Max.)
Output Turn-on Time (off \rightarrow on)	2.8 μ s (Typ.)
Output Turn-off Time (on \rightarrow off)	400 μ s (Typ.)
Current Consumption	400 mA @ +5 V ($\pm 5\%$)
Isolation Voltage	2.5 kVRms (Min.)
Operating Temperature	0°C to 50°C
Operating Humidity	35% to 85%
OS Driver Support	Linux (kernel 2.4.18), Windows XP/CE.NET
Software Package	Free fuction library

Ordering Information

MPC-7664	Isolated 64-CH DI/DO module with panel for GEME series
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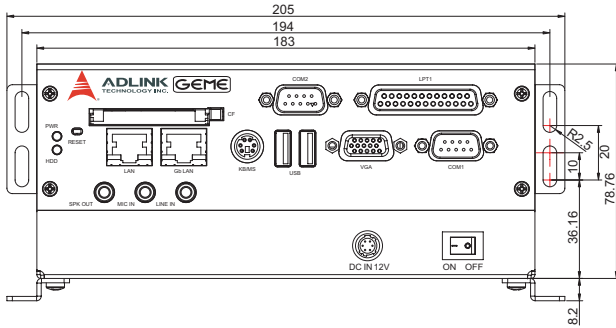
Accessory (Optional)

DIN-50S	Terminal board & 50-pin SCSI-II cable/1 M
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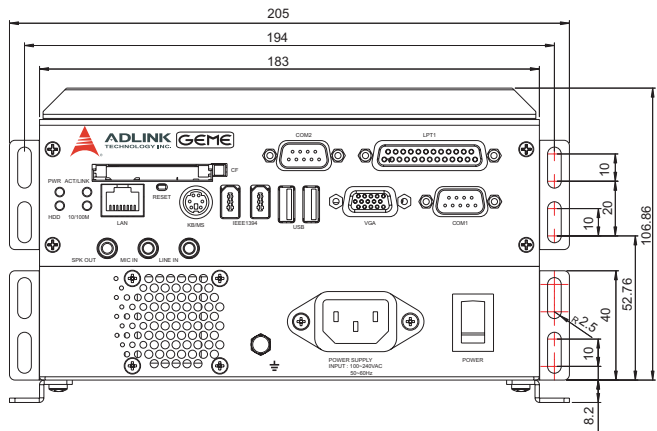
Dimensions of GEME Series

FRONT VIEW

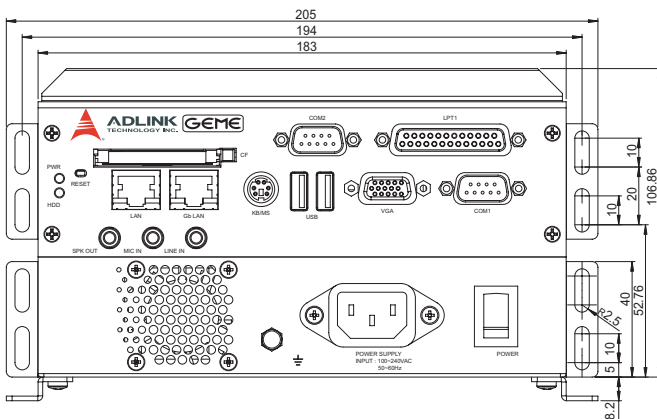
GEME-12000



GEME-42000/GEME-52000



GEME-43000



Dimensions of Extension Boards

