

Apollo 4022P Multiport™

PCI Serial Controller

FABRIC & CONNECTIVITY DIVISION



The Apollo 4022P Multiport is ideal for high-speed, high-throughput applications including:

- Modem connectivity
- Internet access
- Remote access
- Real-time data feeds

- Four ports from one PCI Bus slot
- PCI 2.2 compliant
- Asynchronous data transfer rates up to 230.4 kbps, full duplex, simultaneously on all ports
- Supports SPARC® Solaris®, Rev. 8, 9, and 10; Solaris x86, Rev. 2.6, 7, and 8; and Linux
- Interface options include:
 - RS-232
 - RS-422 or RS-485 with DB-25 connectors via an external breakout box
- Full modem support on all ports
- 128 Byte FIFO data buffer on each port for optimum throughput and performance
- On-board hardware (out of band) and software (in band) flow control on all ports assures data integrity

The Apollo 4022P Multiport serial controller is a Universal PCI board compatible with the PCI Local Bus Specification Revision 2.2. The Apollo 4022P card operates in either a 5.0V or 3.3V signaling environment. However, the card must be installed in a PCI slot that provides 3.3V power.

The Apollo 4022P Multiport serial communications controller enables up to four serial devices to be interfaced from one PCI Bus slot. It supports asynchronous data transfer rates up to 230.4 kbps, full duplex, simultaneously on all ports.

The Apollo 4022P Multiport high-throughput asynchronous controller supports SPARC Solaris, Rev. 8, 9, and 10; Solaris x86, Rev. 2.6, 7, and 8; and Linux.



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Carlo Gavazzi Computing Solutions designs and manufactures standard and custom AdvancedTCA™, CompactPCI®, PCI/ISA, and Switch Fabric backplanes, cabinets, enclosures, I/O boards, and integrated systems that address your outsourcing and time-to-market needs.



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General Specifications

Model	4022P
PCI Compliance	PCI 2.2
Bus Width/ Speed	32 Bits/33 MHz
Signal Standards	RS-232, RS-422 or RS-485 with DB-25 connectors via an external breakout box
Connector	DB-25 DTE (RS-232 and RS-422/485)
Async Data Rates	50-230.4 kbps simultaneously on all ports
Start/Stop Bits	1 and 2
Data Bits	5, 6, 7, or 8 bits
Flow Control	Hardware: CTS/RTS Software: XON/XOFF
Modem Control	CD/DTR/DSR (all ports)
I/O Buffer	128 Bytes per port
Certification	EN 55022 Class B FCC Class B
CCITT Compatibility	V.24/V.28 (RS-232) and V.11/V.24/V.28/V.27 (RS-422/485) Termination: Rx/Tx 100 ohm configuration option RS-485: All differential drivers are switchable under software control

Minimum System Requirements

OS Support	SPARC Solaris, Rev. 8, 9, and 10; Solaris x86, Rev. 2.6, 7, and 8; and Linux.
Hardware	SPARC-compatible (5 or better) workstations and servers with a PCI Bus, supporting Solaris. Intel-based system or compatible with a PCI Bus, supporting the Solaris x86 operating system environment.
Bus	PCI 32-bit/33 MHz P2 300 MHz
Memory	16 Mbytes per card
Disk Drive	1 Mbyte free in/ opt (Solaris)
CD-ROM Drive	Optional

Part Numbers

70-05002-01	Apollo 4022P Multiport Serial Controller (four ports). Connector option sold separately.
06-00046-00	4-port DB-25 male cable
06-00046-01	4-port DB-25 female cable
20-00056-00	4-port DB-25 male breakout box
20-00056-01	4-port DB-25 female breakout box
20-00075-00	4-port DB-25 male breakout box with four ports RS-422/485

Additional connector options available.

Physical Specifications

Card Dimensions	L - 6" (15.96 cm) x H - 4.200" (10.66 cm)
Card Weight	5.0 oz. (0.142 Kg)
DB-25 Breakout Box	6.2" (15.7cm) x 3.5" (8.9cm) x 1.71" (4.34cm)
Breakout Box Rackmount Brackets	Fit standard 19" rackmounts (optional)

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