



New Product Announcement

PI7C9X2G1616PR
PI7C9X2G912GP

9 & 16 Ports, 12 & 16 Lanes PCIe2.1 Packet Switches

The PI7C9X2G1616PR is a 16-lane PCI Express® Gen 2 Switch with 16 PCI Express ports and the PI7C9X2G912GP is a 12-lane PCI Express Gen 2 Switch with 9 PCI Express ports.

They have been specifically designed to meet high performance and the latest GREEN low-power system requirements of Networking/ Telecom, Embedded, Server, Storage and other platforms.

The PI7C9X2G1616PR supports 4 DMA channels and Non-Transparent port apply for high performance, dual-host and failover applications.

The PI7C9X2G912GP supports x2 configurations for high performance and multiple functional applications.

The PI7C9X1616PR/ 2G912GP provides elastic configurations of link width and port distribution.

Both are available in the -40°C to +85°C Industrial Temperature Range.

The PI7C9X2G1616PR is available in the 324-pin HSBGA 19mm x 19mm package and the PI7C9X2G912GP is available in the 196-pin LBGA 15mm x 15mm package.



The Diodes' Advantage

9- and 16-lane PCIe2.1 Packet Switches provide elastic configurations of link width and port distribution

- **Compliant with PCIe2.1 Specification**
Ensures good interoperability
- **Have Multi x2 downstream ports**
Flexible design and full resource utilization
- **Wide Operating Temperature at -40 to +85°C**
Meets commercial and industrial applications needs without restriction
- **Advanced Power Management**
Meets the latest green and low power applications requirements
- **Supports Serial Hot-Plug**
Makes Plug & Play applications easier

Applications

- Networking Switch Router
- Wired/ Wireless Telecom
- Data Communication
- Control Plane
- Fail-Over System
- NAS/ Storage
- Embedded Systems
- HBA/ Combo Cards
- IPC/ Industrial control
- Printer/ MFP/ Peripheral
- Surveillance/ Security
- Servers

PCI Express is a registered trademark of PCI-SIG Corp.

- PI7C9X2G1616PR in Networking Switch/ Router



Orderable Part Number	Base Part Number	Package Code	Pin Count	Operating Temperature (°C)	Quantity per Tray	Quantity per Tape & Reel
PI7C9X2G1616PRAHSBE [†]	PI7C9X2G1616PR	HSB	324	-40 to +85	84	N/A
PI7C9X2G1616PRAEVB	PI7C9X2G1616PR	Evaluation Board	-	-	-	-
PI7C9X2G912GPANJE [†]	PI7C9X2G912GP	NJ	196	-40 to +85	126	1,000
PI7C9X2G912GP AEVB	PI7C9X2G912GP	Evaluation Board	-	-	-	-

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