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PD69100Y-GGGG (#348498)

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Status of product

■ In Production

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Overview

Docs & Specs

Description

Microsemi's™ PoE controller, PD69100, is a cost-effective, pre-programmed unit designed to implement Enhanced mode. It is used in conjunction with Microsemi's PoE Managers PD69108 and PD69104 in Ethernet switches to enable next generation network devices to share power and data over the same cable, as specified in IEEE802.3af, IEEE802.3at and Power over HDBaseT (PoH) standards. Enhanced mode operation along with PD69108/PD69104 managers enables operation in a total Power-over-Ethernet stand-alone mode. The controller features an ESPI bus for each PoE device and a communication interface with Host CPU via UART or I²C protocol.

Features

- 96-port
- DC disconnect
- HDBaseT-compliant
- IEEE 802.3af and legacy
- IEEE802.3at-compliant
- PoE Controller for PD69108 and PD69104


ROHS, PB Free
Shipping TR12

Electrical Rating	Symbol	Min	Typ	Max	Unit
Number of Ports	Number of Ports			96.00	
Output Power per Port (W)	P _{OUT} / Port			95.00	W
Supply Voltage	V _{CC}	1.80		3.60	V

Environmental Rating	Symbol	Min	Typ	Max	Unit
Ambient Temperature	T _A	-40.00		85.00	°C

This part can be found in the following product categories:

- ▶ [Integrated Circuits](#) ▶ [Power over Ethernet](#) ▶ [PoE Microcontroller \(MCU\)](#)