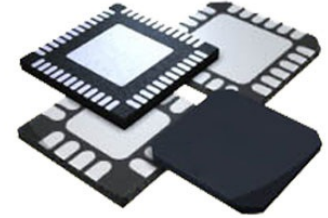


Ethernet Switch 10-Port 1000Mbps DRQFN Tray



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: QFN-172

Product Type: Switches

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

Microchip's industrial Ethernet switch device delivers the industry's lowest power Gigabit Ethernet (GbE) switching solution. The VSC7512 is a fully-integrated 10-port GbE switch with four copper PHYs in a single package.

The VSC7512 leverages SimpliPHY technology, resulting in the one of the most cost-effective and lowest power consumption devices in the industry. The single-chip solution utilizes the most advanced Energy Efficient Ethernet features for bringing low-power, high-performance solutions to market. The VSC7512 provides a rich set of un-managed Ethernet switching features such as Layer-2 forwarding with basic VLAN and QoS processing, enabling the delivery of differentiated services. The VSC7512 contains an 8051 CPU for configuration of the switch. A comprehensive application software package is provided for LED control, loop indication, device overheat protection, and other enhanced functions.

Supported Ethernet Software Options

Microchip's complimentary and confidential LANCheck® online design review service is available for customers who have selected our products for their application design-in. The LANCheck online design review service is subject to Microchip's Program Terms and Conditions and requires a myMicrochip account.

Key Features

VSC6825: Ocelot Unmanaged Application Software Package for 8051-based L2 Enterprise Switches

Ethernet Switches

1G Copper PHYs

Low-power and single-chip industrial switch

Four integrated copper PHY ports

2.5G SGMII NPI port or PCIe

Recommended For You

VSC7422XJG-04

Microchip Technology, Inc
HSBGA-672

VSC3316YYP

Microchip Technology, Inc
BGA196

VSC3340XJJ-01

Microchip Technology, Inc
BGA484

VSC3308YKU

Microchip Technology, Inc
BGA

VSC7513XKS

Microchip Technology, Inc
BGA

VSC7420XJQ-04

Microchip Technology, Inc
FSTQFP

VSC7420XJQ-02

Microchip Technology, Inc
BGA

VSC7420XJG-02

Microchip Technology, Inc
HSBGA-672

VSC7423XJG-02

Microchip Technology, Inc
BGA

VSC7420XJG-04

Microchip Technology, Inc
672-BGA

VSC7425XJG-02

Microchip Technology, Inc
BGA

VSC7429XJG-02

Microchip Technology, Inc
BGA

VSC7428XJG-02

Microchip Technology, Inc
BGA672

VSC7440XMT

Microchip Technology, Inc
PBGA-324

VSC7448YIH-02

Microchip Technology, Inc
672-LBGA