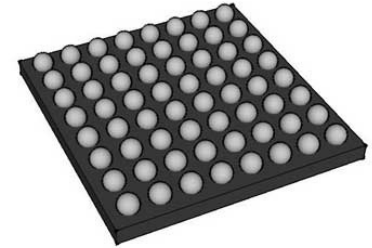


Ethernet Switch 8-Port 1000Mbps 256-Pin PBGA Tray



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: BGA

Product Type: Switches

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

Microchip's next generation switch family delivers a flexible Industrial Ethernet and SMB solution. The VSC7513 is an 8-port Gigabit Ethernet (GbE) switch supporting a combination of 1G and 2.5G Ethernet ports. The device provides a rich set of Industrial and Enterprise Ethernet switching features. Using multistage TCAM technology, it delivers VLAN and QoS processing that enables delivery of differentiated services, security through intelligent frame processing, and egress frame manipulation. For industrial applications, VSC7513 integrates distributed timing technology that delivers the industry's most accurate IEEE 1588v2 timing implementation. A powerful 500 MHz CPU enables full management of a Layer 2 Ethernet switch solution. A comprehensive application programming interface (API) and software development package accelerate time-to-market for managed Ethernet applications. The software API package integrates easily with third-party software, preserving existing software investments.

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

VSC6816: SMBStaX Linux Application Software Package for Managed Enterprise Switches

VSC6817: IStaX Linux Application Software Package for Managed Ethernet Switches

VSC6819: WebStaX Linux Application Software Package for Managed Enterprise Switches

SparX-IV GbE Switches

VSC8514 Copper PHYs

Unified API, WebStaX, SMBStaX, and IStaX softwares

Four dual media copper/SGMII ports

Two 1G SGMII ports or one QSGMII port

Fully-managed L2 switching features

Industrial temperature range

Flexible PCIe and NPI CPU interfaces

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

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

VSC7512XMY

Microchip Technology, Inc

QFN-172

VSC7428XJG-02

Microchip Technology, Inc

BGA672

VSC7440XMT

Microchip Technology, Inc

PBGA-324

VSC7448YIH-02

Microchip Technology, Inc

672-LBGA