



Overview Features Software Development Environment

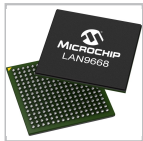
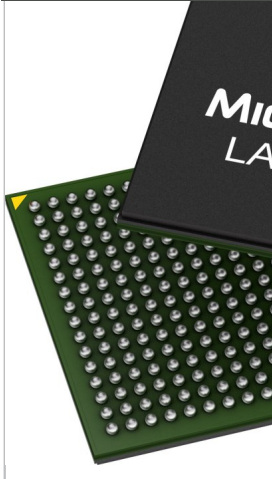
Similar Devices RoHS Information Purchase

LAN9668

8-Port TSN Gigabit Ethernet Switch

Status: In Production.

 Documentation  Symbols



The LAN9668 is part of a family (LAN966x) of compact and cost-effective, multi-port Gigabit TSN Ethernet Switches with two integrated 10/100/1000BASE-T PHYs and a 600 MHz ARM Cortex A7 CPU subsystem. The LAN9668 includes eight ports.

In addition to the two integrated PHYs, the LAN9668 supports up to 2 RGMII/RMII, up to 3 1000BASE-X/SerDes/2.5GBASE-X/KX, and up to 2 Quad-SGMII/Quad-USGMII interfaces.

A comprehensive Application Programming Interface (API) and turnkey software development package accelerates time-to-market for managed Ethernet applications. The software API package integrates easily

Purchase Opti

 Sampling Opti

[Overview](#)[Features](#)[Software](#)[Development Environment](#)[Similar Devices](#)[RoHS Information](#)[Purchase](#)[^ Collapse](#)

Product Features

- 802.1Qbv (TAS)
- 802.1Qch (CQF)
- 802.1Qci (PSFP)
- 802.1AS-2020
- 802.1CB (FRER)
- 802.1Qbu/802.3br (Frame Preemption)
- **VSC6817 IStax Linux Application Software Package for Managed Ethernet**

Switches

- Up to 8x 1G ports
- Fully managed L2 switching and L3 forwarding features
- Industrial Temperature range
- Easy upgrade within SparX-5i family to higher bandwidth

[^ Collapse](#)

Parametrics

Click on a property to perform a parametric search for other products with that property.

Ethernet Bandwidth

10/100/1000/2500Mbps



Overview Features Software Development Environment

Similar Devices RoHS Information Purchase

(2)

IOPins

8

IEEE1588

Yes

Temp Range Min

-40

Temp Range Max

85

Ports

8

Automotive

No

of Ether Ports

8

Managed

Yes

Copper Support

10/100/1000 (2)

Fiber Support

100FX 1000X 2500X

RMII

Yes

RGMII

Yes

SGMII

Yes

PCI

Yes

Supply Voltage (V)

1.1



- Overview
- Features
- Software
- Development Environment
- Similar Devices
- RoHS Information
- Purchase

Bytes

# of VLAN	4096
Static MAC Addr	8192

All Application Notes

Documentation

View All

Search Documentation

Title	Document Category	DS Number	Download	Link	Favorites
Collateral documents for devices	Data Sheets			Link	



Overview	Features	Software	Development Environment			
Similar Devices	RoHS Information		Purchase			

Options for VSC Switches	Design Notes	3883	Download	Link	☆
LAN9668 BSDL file	Board Design Files		Download		☆
LAN9668 IBIS Model	Board Design Files		Download		☆
LAN9668 Hardware Design Checklist	Design Checklist	DS0004584	Download		☆

Embedded Software

Title	Download	Link
VSC6817 IStax Software		Link

Development Environment



- Overview
- Features
- Software
- Development Environment
- Similar Devices
- RoHS Information
- Purchase



EVB-LAN9668

8-Port TSN Switch Evaluation Board

[Learn More](#)

 [Add to Cart](#)

Similar Devices

Product

⌵ Ethernet Bandwidth

⌵ Interface



Overview	Features	Software	Development Environment
Similar Devices	RoHS Information	Purchase	

VSC7552TSN	10/100/1000/2500Mbps 5/10/25Gbps	SGMII QSGMII USGMII I
VSC7556TSN	10/100/1000/2500Mbps 5/10/25Gbps	SGMII QSGMII USGMII I
VSC7558TSN	10/100/1000/2500Mbps 5/10/25Gbps	SGMII QSGMII USGMII I

5 of 5 results



RoHS Information

Product	JEDEC Indicator	ROHS	China EFUP	Material
LAN9668/9MX	e8			
LAN9668-I/9MX	e8			

2 of 2 results

To see a complete listing of RoHS data for this device, please [Click here](#)

Shipping Weight = Device Weight + Packing Material weight. Please **contact sales** office if device weight is not available.