

Ethernet Switch 3-Port 100Mbps 48-Pin LQFP Tray

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: LQFP-48

Product Type: Switches

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

The KSZ8863MLL/FLL/RLL are highly integrated 3-port switch ICs in a small footprint.

They are designed to enable a new generation of low port count, cost-sensitive and power efficient 10/100Mbps switch systems. Low power consumption, advanced power management and sophisticated QoS features (e.g., IPv6 priority classification support) make these devices ideal for IPTV, IP-STB, VoIP, automotive and industrial applications.

The KSZ8863 family is designed to support the GREEN requirement in today's switch systems. Advanced power management schemes include software power down, per port power down and the energy detect mode that shuts down the transceiver when a port is idle. KSZ8863MLL/FLL/RLL also offer a by-pass mode, which enables system-level power saving. In this mode, the processor connected to the switch through the MII interface can be shut down without impacting the normal switch operation.

The configurations provided by the KSZ8863 family enables the flexibility to meet requirements of different applications:

KSZ8863MLL: Two 10/100BASE-T/TX transceivers and one MII interface.

KSZ8863RLL: Two 10/100BASE-T/TX transceivers and one RMII interface.

KSZ8863FLL: One 100BASE-FX, one 10/100BASE-T/TX transceivers and one MII interface.

The device is available in RoHS-compliant 48-pin LQFP package. Industrial-grade and Automotive-grade are also available.

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

Advanced Switch Features

Comprehensive Configuration Register Access

QoS/CoS Packet Prioritization Support

Proven Integrated 3-Port 10/100 Ethernet Switch

Switch Monitoring Features

Low Power Dissipation

Industrial Temperature Range: -40°C to +85°C

Available in 48-Pin LQFP, Lead-free package

Recommended For You

KSZ8851-16MQL

Microchip Technology, Inc

PQFP-128

KSZ8851-16MLL

Microchip Technology, Inc

LQFP48

KSZ8893MQL

Microchip Technology, Inc

QFP128

KSZ8851SNL

Microchip Technology, Inc

VQFN32

KSZ8893MQLI

Microchip Technology, Inc

QFP128

KSZ8863RLLI

Microchip Technology, Inc

LQFP-48

KSZ8895FQXI

Microchip Technology, Inc

PQFP128

KSZ8895RQXI

Microchip Technology, Inc

PQFP128

KSZ8895MQXIA

Microchip Technology, Inc

PQFP-128

KSZ8895FQXI-TR

Microchip Technology, Inc

PQFP-128

KSZ8851SNLI-TR

Microchip Technology, Inc

QFN32

KSZ8842-PMQL

Microchip Technology, Inc

PQFP-128

KSZ8863MLL

Microchip Technology, Inc

LQFP48

KSZ8993M

Microchip Technology, Inc

QFP128

KSZ8993MI

Microchip Technology, Inc

QFP128