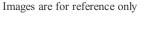


## Ethernet Switch 3-Port 100Mbps 48-Pin LQFP Tray

Manufacturer:	Microchip Technology, Inc
Package/Case:	QFP48
Product Type:	Switches
RoHS:	RoHS Compliant/Lead free W
Lifecycle:	Active





## **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 downs 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

KSZ8851SNL Microchip Technology, Inc VQFN32

KSZ8895FQXI Microchip Technology, Inc PQFP128

Microchip Technology, Inc PQFP-128

KSZ8895FQXI-TR

KSZ8863MLL Microchip Technology, Inc LQFP48 KSZ8851-16MLL Microchip Technology, Inc LQFP48

KSZ8893MQLI Microchip Technology, Inc QFP128

KSZ8895RQXI Microchip Technology, Inc POFP128

KSZ8851SNLI-TR Microchip Technology, Inc QFN32

KSZ8993M Microchip Technology, Inc QFP128 KSZ8893MQL Microchip Technology, Inc QFP128

KSZ8863RLLI Microchip Technology, Inc LQFP-48

KSZ8895MQXIA Microchip Technology, Inc PQFP-128

KSZ8842-PMQL Microchip Technology, Inc PQFP-128

KSZ8993MI Microchip Technology, Inc QFP128