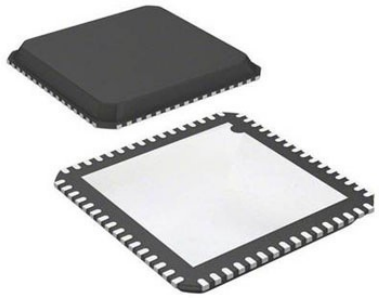
KSZ8864CNXCA

Ethernet Switch 4-Port 100Mbps 64-Pin QFN EP Tray

Manufacturer:	Microchip Technology, Inc
Package/Case:	VQFN64
Product Type:	Switches
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The KSZ8864 is a highly-integrated, Layer 2 managed 4-port switch with optimized design, plentiful features and small package size. The KSZ8864 Automotive qualified (AEC-Q100).
KSZ8864 is designed for cost-sensitive 10/100Mbps 4-port switch systems. On-chip termination, low-power consumption, and small package to save system cost. KSZ8864 utilizes a shared memory-based switch fabric with full non-blocking configuration.

KSZ8864 also provides an extensive feature set including: power management, programmable rate limiting and priority ratio, tag/port-based VLAN, packet filtering, quality of service (QoS), four queue prioritization, management interface, and MIB counters. Ports 3 and 4 support either MII or RMII interfaces. KSZ8864 provides multiple CPU control/data interfaces to effectively address a wide variety of fast Ethernet applications.

The KSZ8864 contains four MACs and two PHYs. The two PHYs support the 10/100Base-T/TX. All registers of MACs and PHYs units can be managed by the control interface of SPI or the SMI. MIIM registers the PHYs can be accessed through the MDC/MDIO interface. EEPROM can set all control registers by I2C controller interface for the unmanaged mode.

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Key Features

Fully managed 4-port 10/100Mbps switch with dual MII/RMII interfaces

IEEE802.1q VLAN

QoS packet prioritization

IEEE802.1d rapid spanning tree protocol (RSTP)

Programmable rate limiting at the ingress and egress on a per port and priority basis

Source MAC address filtering for ring support

MIB counters for fully compliant statistics, gathering 34 MIB counters per port

Ultra-low power consumption with integrated line termination

Single 3.3V supply with internal 1.2V LDO controller

Flexible VDDIO support 3.3V, 2.5V, and 1.8V

AEC-Q100 qualified

Industrial temperature range: -40°C to +85°C

Small 64-Pin 8mm x 8mm QFN

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