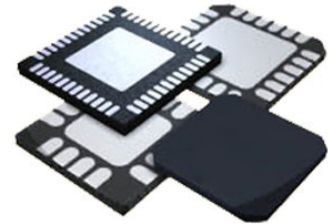


Small Footprint MII/RMII 10/100 Ethernet Transceiver with flexPWR Technology

Manufacturers	Microchip Technology, Inc
Package/Case	QFN
Product Type	Communication & Networking ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LAN8720AI-CP-TR-ABC or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Microchip's LAN8720A/LAN8720Ai are high-performance, small-footprint, low-power 10BASE-T/100BASE-TX transceivers specifically designed for today's consumer electronics, industrial and enterprise applications. The LAN8720A/LAN8720Ai are the industry's smallest footprint solutions with up to 40% lower power consumption than existing Microchip transceivers. The LAN8720A/LAN8720Ai have an integrated voltage regulator and ESD protection components to help reduce Bill of Material (BOM) costs.

The LAN8720A/LAN8720Ai connect via an RMII interface. These devices support HP Auto-MDIX†, employ Microchip's proprietary flexPWR technology and are available in both extended commercial (0° to 85°C) and industrial (-40° to 85°C) temperature range 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*.

†HP Auto-MDIX eliminates the need for special "crossover" cables when connecting LAN devices together.

*The LANCheck online design review service is subject to Microchip's Program Terms and Conditions and requires a myMicrochip account.

Features

Highlights

Integrated 1.2V linear regulator

Incorporates flexPWR® technology

Industry leading power consumption

Up to 40% reduction from existing Microchip solutions

Flexible I/O voltage range from 3.6V to 1.6V

Extremely low energy detect standby mode

Low-Cost 25MHz crystal for MII/RMII

Industrial and extended commercial temperature range options available

Compact package options:

LAN8720A: 4x4mm 24-pin QFN and VQFN package (RMII only)

Target Applications

High-definition TV (HDTVs)

Set-top Boxes (STBs)

Digital Video Recorders (DVRs)

Personal Video Recorders (PVRs)

Network Printers and Servers

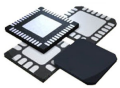
Gaming Consoles

Telecommunications

POS Terminals

Industrial

Related Products



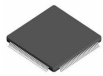
[LAN8710AI-EZK-TR-ABC](#)

Microchip Technology, Inc
QFN



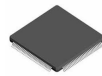
[KSZ8995XA](#)

Microchip Technology, Inc
PQFP-128



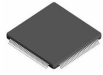
[KSZ8995MI](#)

Microchip Technology, Inc
PQFP-128



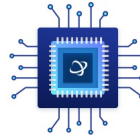
[KSZ8995FQI](#)

Microchip Technology, Inc
PQFP-128



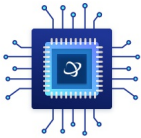
[KSZ8995FQ](#)

Microchip Technology, Inc
PQFP-128



[RN-240F](#)

Microchip Technology, Inc
16DBM



[RN-240M](#)

Microchip Technology, Inc
16DBM



[RN42APL-I/RM](#)

Microchip Technology, Inc
SMD