

Ethernet Controller, 100 Mbps, IEEE 802.3, IEEE 802.3u, IEEE 802.3-2005, 1.6 V, 3.6 V, QFN, 32 Pins

Manufacturers	Microchip Technology, Inc
Package/Case	QFN-32
Product Type	Interface ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LAN8710AI-EZK-ABC or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Microchip's LAN8710A/LAN8710Ai are high-performance, small-footprint, low-power 10BASE-T/100BASE-TX transceivers specifically designed for today's consumer electronics, industrial and enterprise applications. The LAN8710A/LAN8710Ai are the industry's smallest footprint solution with up to 40% lower power consumption than existing Microchip transceivers. The LAN8710A/LAN8710Ai have an integrated voltage regulator and ESD protection components to help reduce Bill of Material (BOM) costs.

The LAN8710A/LAN8710Ai connect to the MAC layer using a variable voltage, digital standard MII or 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:

LAN8710A: 5x5mm 32-pin QFN package (MII/RMII)

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



[LAN8740A-EN](#)

Microchip Technology, Inc
QFN-32



[LAN8700C-AEZG-TR](#)

Microchip Technology, Inc
VQFN-36



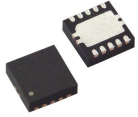
[LAN8700C-AEZG](#)

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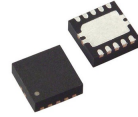
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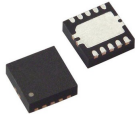
[LAN9303-ABZJ](#)

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VQFN-56



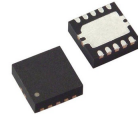
[LAN9303I-ABZJ](#)

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