


Ethernet CTRLR Single Chip 10Mbps 3.3V 28-Pin SOIC W Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	SOP28
Product Type:	Communication & Networking ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

Images are for reference only

[Inquiry](#)

General Description

Microchip's ENC28J60 is a 28-pin, 10BASE-T stand alone Ethernet Controller with on board MAC & PHY, 8 Kbytes of Buffer RAM and an SPI serial interface. With a small foot print package size the ENC28J60 minimizes complexity, board space and cost. Target applications include VoIP, Industrial Automation, Building Automation, Home Control, Security and Instrumentation. Ethernet Application Design Center Microchip's complimentary and confidential LANCheck® online design review services are 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

IEEE 802.3 compatible Ethernet controller

Fully compatible with 10/100/1000Base-T networks

Integrated MAC and 10Base-T PHY

Supports one 10Base-T port with automatic polarity detection and correction

Operating voltage from 3.1V to 3.6V (3.3V typical)

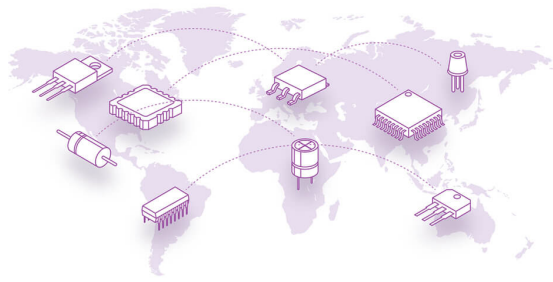
Supports full and half duplex modes

Programmable automatic retransmit on collision

SPI interface with clock speeds up to 20MHz

Six interrupt sources and one interrupt output pin

Ambient temperature range from -40°C to 85°C



Recommended For You

ENC424J600-I/ML

Microchip Technology, Inc
QFN44

ENC28J60-I/ML

Microchip Technology, Inc
QFN

ENC424J600T-I/PT

Microchip Technology, Inc
TQFP44

ENC28J60/SS

Microchip Technology, Inc
SSOP28

ENC28J60/SO

Microchip Technology, Inc
SOP

ENC624J600-I/PT

Microchip Technology, Inc
QFP64

ENC624J600T-I/PT

Microchip Technology, Inc
TQFP64

ENC28J60/SP

Microchip Technology, Inc
DIP

ENC28J60-I/SS

Microchip Technology, Inc
SSOP28

ENC28J60T-I/SO

Microchip Technology, Inc
SOP28

ENC424J600T-I/ML

Microchip Technology, Inc
QFN

ENC28J60T/ML

Microchip Technology, Inc
QFN

ENC28J60T/SS

Microchip Technology, Inc
SSOP28

ENC28J60/ML

Microchip Technology, Inc
QFN

ENC28J60T/SO

Microchip Technology, Inc
28-SOIC0.2957.50mm