



Olimex - ENC28J60-H - Ethernet - Development Board

Product Overview:

This ENC28J60-H board is the world smallest ENC28J60 Ethernet controller Development board.



Key Features:

The ENC28J60-H development board has the following features:

- ENC28J60 Ethernet controller in the world's most compact header form
- LAN connector with build in transformer
- two status LEDs on LAN connector
- SPI interface takes only few pins to add Ethernet interface to your microcontroller project
- 10 pin interface on 0.1" row pins header
- PCB: FR-4, 1.5 mm (0,062"), green solder mask, white silkscreen component print
- Dimensions: 30x24 mm (1.18 x 0.95")
- space between the pin rows: 20 mm (0.8")

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
ENC28J60-H	Olimex	1701543	25R4599

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
ENC28J60-I/ML	Olimex		1564400	71J3843
749010013	Wuerth Elektronik	Ethernet Transformer	1636346	08P2938
749013010	Wuerth Elektronik	Ethernet Transformer	1636350	08P2942
7499011001	Wuerth Elektronik	RJ45 Ethernet Transformer	1636378	08P2965

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
MDL-S2E-B	Luminary Micro	Stellaris® Serial-to-Ethernet Module for Volume Packaging	LM3S6432-IQC50	NA	45P3747
RDK-S2E	Luminary Micro	Stellaris® Serial-to-Ethernet Reference Design Kit	LM3S6432-IQC50	1627315	45P3938

Document List:

Datasheets:

Part Number	Description	Size
ENC28J60-I/ML	Standalone Ethernet Controller with on board MAC & PHY, 8 Kbytes of Buffer RAM and an SPI serial interface.	1.59MB
749010013	Ethernet Transformer	142KB
749013010	Ethernet Transformer	162KB
7499011001	RJ45 Ethernet Transformer	126KB

Application Notes:

File Name	Size
AN1120 - Ethernet Theory of Operation	388KB
AN1229 - Class B Safety Software Library for PIC MCUs and dsPIC DSCs	398KB
AN833 - Microchip TCP/IP Stack Application Note	429KB
AN833 - Microchip TCP/IP Stack Application Note	564KB
AN1229 (Chinese) - Class B Safety Software Library for PIC MCUs and dsPIC DSCs (Chinese)	626KB

Hardware & Software:

File Name	Size
ENC29J60-H Schematic	21.7KB
Microchip's TCP-IP stack	-
demo code for driving ENC28J60 with Bascom	-
uIP1.0 demo code with LPC-P2106 and ENC28J60-H for Cross Works written by Iain Derrington	-