


Ethernet CTRL Single Chip 100Mbps 3.3V 64-Pin LQFP

Manufacturer:	WIZnet
Package/Case:	QFP64
Product Type:	Communication & Networking ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Obsolete

W3150A+ Image

Images are for reference only

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General Description

The W3150A+ is an integrated single-chip solution for Ethernet connectivity. It combines a hardwired TCP/IP stack with an Ethernet MAC (Media Access Control) interface, making it easy to add network capabilities to various embedded systems.

Key Features

TCP/IP Protocol Stack: The W3150A+ includes a built-in TCP/IP protocol stack, which supports various protocols such as TCP, UDP, ICMP, IPv4, and ARP. This stack offloads the network processing tasks from the host microcontroller, reducing the workload on the main system.

Ethernet MAC Interface: It features an Ethernet MAC interface, allowing seamless integration with Ethernet PHY (Physical Layer) modules. It supports 10/100 Mbps Ethernet communication, enabling fast and reliable data transfer over Ethernet networks.

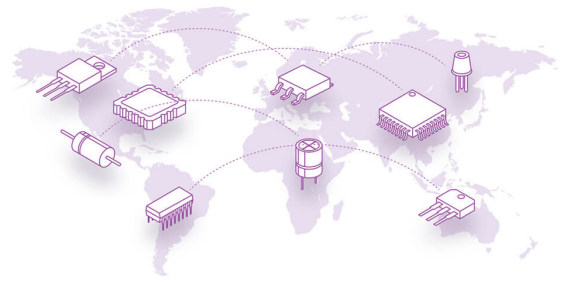
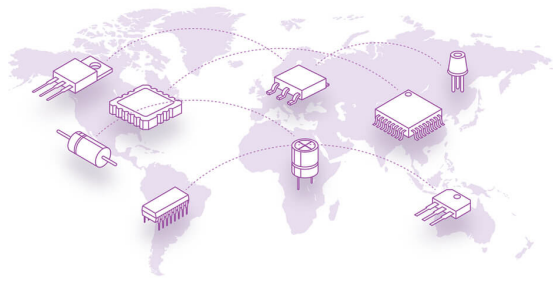
Hardware TCP/IP Offload: The chip incorporates a hardware-based TCP/IP offload engine, which handles low-level network tasks such as packet segmentation and reassembly, checksum calculation, and flow control. This offloading improves the overall performance and efficiency of the network communication.

SPI Interface: It utilizes a Serial Peripheral Interface (SPI) for communication with the host microcontroller. This interface provides a simple and straightforward way to control and configure the chip.

Small Footprint: It is available in a compact package, making it suitable for space-constrained applications. It is designed to be easily integrated into embedded systems with limited board space.

Application

The W3150A+ chip is commonly used in various embedded systems and IoT (Internet of Things) devices that require Ethernet connectivity. It can be found in applications such as home automation, industrial automation, smart meters, network modules, and more.



Recommended For You

W5100S-L

WIZnet

LQFP48

W5300

WIZnet

LQFP100

W5200

WIZnet

QFN48

W6100-L

WIZnet

LQFP-48

WIZ107SR-RS232

WIZnet

BGA

W5100S-Q

WIZnet

QFN