seeed studio

INDUSTRIAL PRODUCT DATASHEET

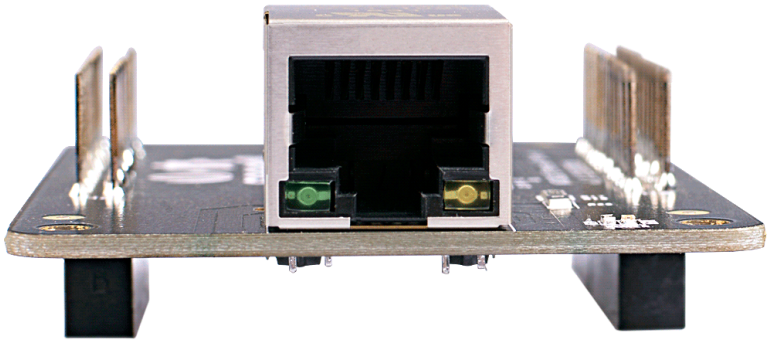
MT3620 Ethernet Shield v1.0

MT3620 Ethernet Shield v1.0 add-on board for Azure Sphere MT3620 development kit with ENC28J60 Ethernet controller for private LAN connection only.

SKU	UPDATED	PRICE
103990403	2026-10-09 08:00:08	$18.90(Excl. VAT)



Overview



The MT3620 Ethernet Shield v1.0 is an add-on breakout board for the Azure Sphere MT3620 development kit, featuring a Microchip ENC28J60 Ethernet controller with SPI interface and support for 10Base-T networks. It enables private LAN connection only, while external Wi-Fi is required for internet access and Azure Sphere services, with no routing or bridging between the private LAN and Wi-Fi interface.

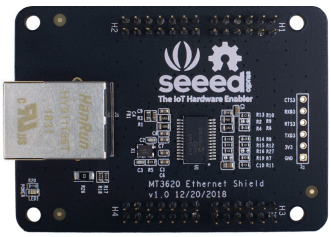
Key Features

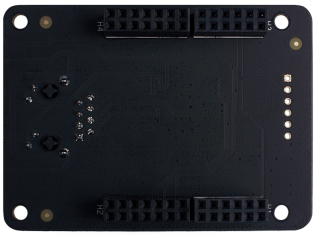
- Processor: Microchip, ENC28J60
- IEEE 802.3TM Compatible Ethernet Controller
- Fully Compatible with 10/100/1000Base-T Networks
- Integrated MAC and 10Base-T PHY
- Supports One 10Base-T Port with Automatic Polarity Detection and Correction
- Supports Full and Half-Duplex modes
- SPI Interface with Clock Speeds up to 20 MHz

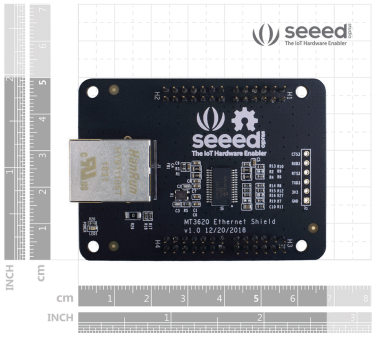
Azure Sphere MT3620 Development kit comes with four 2.54mm headers for hardware resources extension from MT3620. MT3620 Ethernet Shield is an add-on breakout board designed for MT3620 development kit. The Azure Sphere ethernet shield enables support for private LAN connection only. Please see **https://docs.microsoft.com/en-us/azure-sphere/network/connect-private-network** for more details.

External Wi-Fi is required for internet access and Azure Sphere services. Azure Sphere does not support routing or bridging between the private LAN and Wi-Fi interface.

Product Gallery



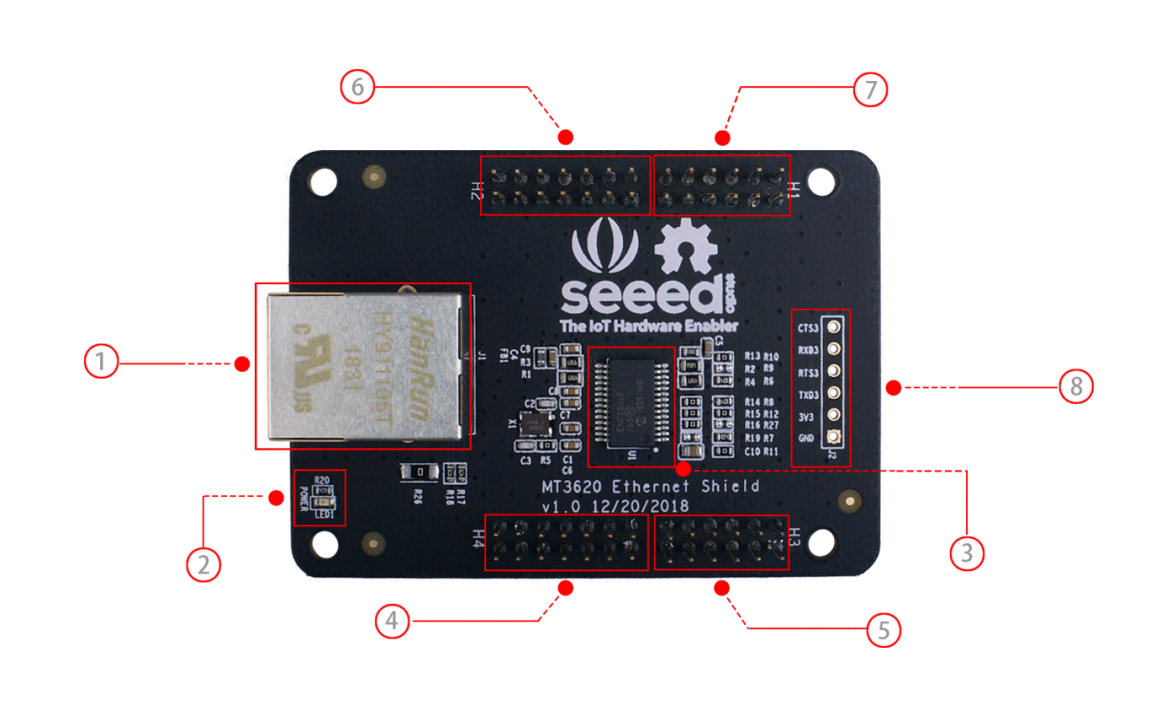




Specification

Dimensions	50mm x68mm x19mm
Weight	G.W 47g
Battery	Exclude

Hardware Overview



Compliance & Logistics

HSCODE	8517709000
USHSCODE	8536700000
UPC	
EUHSCODE	8517180000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/MT3620-Ethernet-Shield-v1-0-p-2917.html
- MT3620 Ethernet Shield v1.0
- MT3620 Ethernet Shield v1.0
- MT3620 Ethernet Shield Mechanical Drawing
- MT3620 Ethernet Shield Library
- ENC28J60 Datasheet
- Azure Sphere Forum
- Azure Sphere Github issues

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com