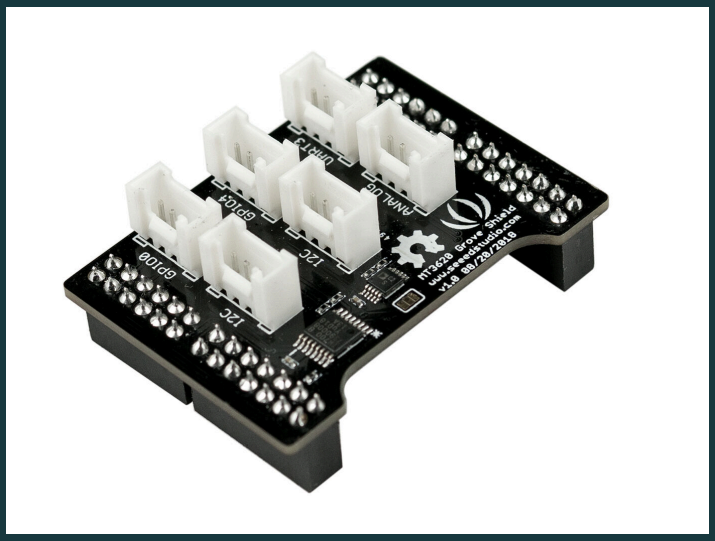
seeed studio

INDUSTRIAL PRODUCT DATASHEET

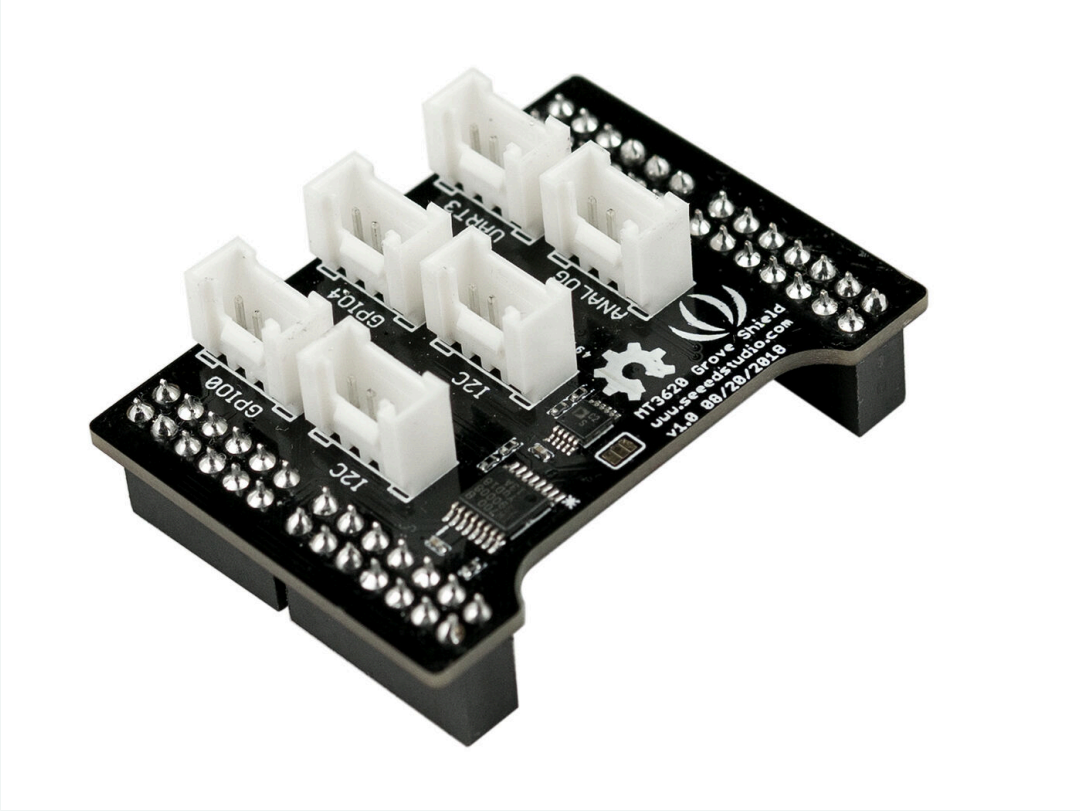
MT3620 Grove Shield

UART-to-I2C Grove expansion shield for the Azure Sphere MT3620 Development Kit with integrated ADC and multiple sensor interfaces.

SKU	UPDATED	PRICE
103990343	2025-07-30 07:49:00	$17.50(Excl. VAT)



Overview



The MT3620 Grove Shield is an add-on breakout board for the Azure Sphere MT3620 Development Kit, providing UART-to-I2C conversion and an integrated ADC to interface with Seeedstudio Grove modules. It features six Grove connectors for I2C, analog, UART, and GPIO, enabling rapid sensor prototyping.

Key Features

Azure Sphere MT3620 Development Kit is a product that uses **Microsoft Azure Sphere** technology, MT3620 Grove Shield is an add-on breakout board designed for MT3620 Development kit.

Azure Sphere MT3620 Development Kit comes with four 2.54mm headers for hardware resources extension from MT3620. MT3620 Grove Shield enable users to quickly apply sensors modules - **Seeedstudio Groves** on MT3620 Development Kit.

Since **Azure Sphere SDK** has not yet supported ADC and I2C on MT3620, this shield serves as an interface between MT3620 UART port and external I2C devices, like the I2C temperature sensor. The basic function of the shield is to help connect to an external device using I2C. By using an I2C compatible ADC chip, developer can also read the analog data from analog port.

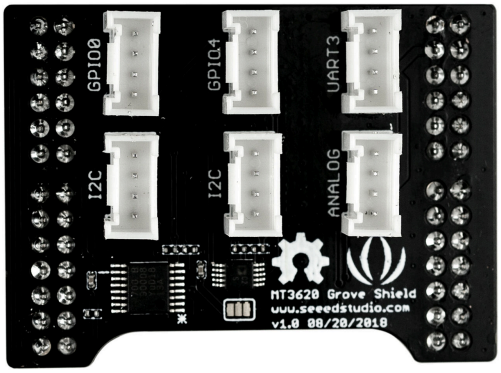
Key Features

- Master I2C-bus controller with UART interface
- 12-bit ADC, I2C-compatible serial interface
- 6 Grove connectors
    - 1 x UART
    - 2 x I2C
    - 1 x Analog
    - 4 x GPIO

Azure Sphere Grove Starter Kit

Now we have a starter kit which includes most easy and common used grove modules,please check the **product page**.

Product Gallery



Part List

MT3620 Grove Shield	1

Compliance & Logistics

HSCODE	8517709000
USHSCODE	8517790000
EUHSCODE	8517180000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/MT3620-Grove-Shield.html
- MT3620 Grove Shield Product Brief
- MT3620 Datasheet
- MT3620 M4 User Manual

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