

Omega2S

Surface Mount Packaged IoT Computer

The Onion Omega2S IoT Computer Modules are designed for applications that require drop-in connectivity and computing. The 34x20x2.8 mm package features a CPU, memory, flash storage, and a WiFi radio. It runs a Linux Operating System and is FCC certified, making it a small but powerful solution for IoT devices.

- Drop-in WiFi-enabled Linux compute module for IoT applications
- Dual mode 2.4 GHz 802.11 b/g/n WiFi - simultaneously host a WiFi access point and connect to existing WiFi networks
- CPU, memory, and flash storage are built-in - Only requires external antenna
- Runs OpenWRT Linux operating system out of the box
- Features pins for USB, SD/eMMC storage support, ethernet, 3x UARTs, I2C, SPI, GPIOs
- FCC and CE certified

Product variants

Omega2S

RAM: 64MB, Flash: 16MB, Packaging: SMT

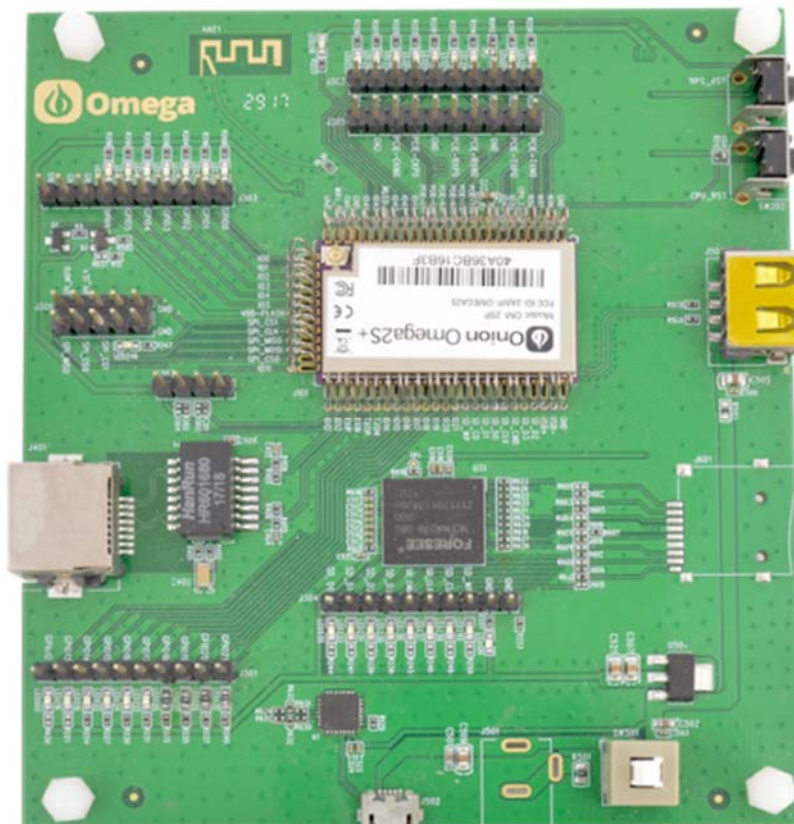
Omega2S+

RAM: 128MB, Flash: 32MB, Packaging: SMT

Omega2S Development Kits

The Omega2S Development Kit includes everything you need to fully evaluate the functionality of the Omega2S Module and begin the development of your IoT product

- Easy insertion socket for the Omega2S Module
- USB, Micro-USB, Ethernet Connectors
- Connectors Pins for all Input/Output Signals
- Dual Reset Functions

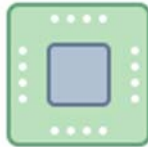




OM2S-DK-SD

SD Card Slot version

- SD Card Base Board
 - 8 GB SD Card
- Four (4) Omega2S modules
- 2 dBi uFL Tape Antenna
 - Micro USB Cable
 - Ethernet Cable



OM2S-DK-EM

eMMC Memory version

- SD Card Base Board
 - Built-in 8 GB eMMC
- Four (4) Omega2S modules
- 2 dBi uFL Tape Antenna
 - Micro USB Cable
 - Ethernet Cable