

Specification Data	
Job Name	
Type	
Catalog #	
Comments	

PRODUCT OVERVIEW

The E12 SNAP Gateway is an embedded Ubuntu Linux computer with the flexibility to add custom or 3rd party software as needed for local databases, IoT platform clients, or other elements. It bridges SNAP edge networks over Ethernet or optional USB connectivity devices such as cell modems, Bluetooth, or Wi-Fi adapters. SNAP Gateway devices are the interface between your SNAP mesh networks and the rest of the world.

KEY FEATURES:

- SNAP mesh enabled RF:
 - 2.4 GHz, IEEE 802.15.4
 - +20 dBm TX power
 - Up to 1 mile LOS Range (5.5dBI Antenna)
- Ubuntu Linux OS allows custom software development
- SNAP enabled out of the box
- uSD card expansion slot for system recovery, upgrades, and storage
- Wired Ethernet with additional connectivity and storage via USB

NOTES:

- Recommended accessory, AC012-001, AC power adapter
- Included with the E12 – 1 SNAP antenna



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Product #	Description
SC012-011	E12 SNAP GATEWAY

SPECIFICATIONS

Dimensions	3.3" L x 2.8" W x 0.9" H (84mm L x 70mm W x 22mm H) without antenna
Operating Environment ¹	-40C to +70C Indoor Use Only
Mounting	Wall-Mounted
Input Voltage	12-24VDC (terminal block)
Processor	ARM [®] Cortex-A8 TI Sitara, 1GHz
Memory	4GB FLASH 512MB DDR3
Ethernet	Single 10/100 interface
USB	Single USB 2.0 Type-A Single USB Micro-B (serial)
Radio	SNAP 2.4 GHz; 802.15.4 +20dBm Transmit Power -105dBm Receive Sensitivity
LEDs/Buttons	2 Dual Color LEDs, 1 button
Certifications	FCC, ISED, cULus
Warranty ¹	1 Year

Footnotes:

1. UL certified for +60C maximum operating temperature
2. See www.synapsewireless.com/warranty for warranty terms

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synapsewireless.com
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