



Specification Data	
Job Name	
Type	
Catalog #	
Comments	

PRODUCT OVERVIEW

The E20 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, Wi-Fi, Cellular, or optional USB connectivity devices such as Bluetooth 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
- Integrated Wi-Fi
- Integrated Cellular

NOTES:

- Recommended accessory, AC020-001, AC power adapter
- Included with the E20 – 1 SNAP antenna, 1 WiFi antenna, 2 4G LTE antennas

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Product #	Description
SC020-041	SNAP GATEWAY

SPECIFICATIONS

Dimensions	6.8" L x 4.6" W x 1.4" H (173mm L x 117mm W x 36mm H) without antennas
Operating Environment¹	-40C to +70C Indoor Use Only
Mounting	DIN rail or Wall-Mounted
Input Voltage	12-24VDC (via Barrel Connector or Terminal Block Connector)
Processor	ARM [®] Cortex-A9, 800MHz
Memory	4GB FLASH 512MB DDR3
Cellular	Verizon 4G LTE
Wi-Fi	802.11 b/g/n
Ethernet	Single 10/100 interface
USB	Single USB 2.0 Type-A Single USB Micro-B (serial)
Radio	SNAP 2.4 GHz; +20dBm Transmit Power -105dBm Receive Sensitivity
LEDs/Buttons	3 Dual Color LEDs, 1 power LED, 3 buttons
Certifications	FCC, ISED, cULus
Warranty²	1 Year

SNAP GATEWAY

To learn more, call or visit:
synapsewireless.com
 (877) 982-7888

Footnotes:

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