

SNAP PoE+ Router



INTRODUCTION

The Baicells Simple Network Access Point (SNAP) Power over Ethernet (PoE+) router is an on-premise Wi-Fi access point that provides comprehensive routing capabilities to multiple users accessing the Internet through Baicells outdoor user equipment (UE). The router provides PoE+ power to an outdoor UE through the Ethernet connection, thus eliminating the need for a separate power connection and adaptor for the UE.

Wi-Fi signals from user devices such as mobile phones, laptops, and tablets pass through the SNAP router and are forwarded to the outdoor UE where the Wi-Fi signals are changed to Long-Term Evolution (LTE) signals and sent on to the high-speed LTE network.

The SNAP router supports 2.4 GHz and 5 GHz Wi-Fi, may be used with the Atom Outdoor Low-Gain or Atom Outdoor High-Gain UE, and is managed through the Operations Management Console (OMC). The product comes with a standard one-year warranty; extended warranty is available.

FEATURES

Note: Features may vary based on model or region.

- 1000 Mbps WAN with PoE output
- 1000 Mbps LAN port

- Standard IEEE 802.11b/g/n/ac Wi-Fi operating in dual-band 2.4 GHz and 5 GHz mode
- OMC management app support
- TR-069 network management protocol support
- User-friendly LED status Indicators

BASIC SPECIFICATIONS

WAN Port	1*10/100/1000 auto-sensing, auto-MDX
LAN Port	2*10/100/1000 auto-sensing, auto-MDX
Power Supply	Input: Universal range 100V-240V AC PoE Output: 24V DC PoE, 2A
Power Switch	On/off
Reset Button	Press for 10 seconds to restore the router to its factory settings
LEDs	Power/WLAN/SYS/LTE Signal
Dimensions H/W/D	6.9 x 5 x 1 inches 175 x 130 x 30 millimeters
Weight	17.6 ounces / 500 grams

Wi-Fi SPECIFICATIONS

Standard	IEEE 802.11b/g/n/ac
Channel Bandwidth	20 MHz, 40 or 20 MHz, 40 MHz, 80 MHz
Frequency	2.4 GHz and 5 GHz dual-band support
MIMO	2x2
Peak Rate	802.11b: 11 Mbps 802.11g: 54 Mbps 802.11n: 300 Mbps 802.11ac: 866 Mbps
Modulation	DSSS/CCK, OFDM
Sensitivity	<ul style="list-style-type: none"> -64 dBm @ 65 Mbps, typical for 802.11n/ac -65 dBm @ 54 Mbps, typical for 802.11g -76 dBm @ 11 Mbps, typical for 802.11b
Max Output Power	14±3 dBm
Antenna Type	Internal omni, 2T2R
Antenna Gain	5 dBi
Active Users	32

SOFTWARE SPECIFICATIONS

Network Mode	NAT or Bridge
IP Protocol	IPv4/IPv6
SIM	PIN management, SIM lock
Network Connection	Auto or Manual
LTE Scan Mode	Full band scan, frequency lock, PCI lock
WLAN	WPS, MSSID isolation
VPN	L2TP/PPTP/GRE, VxLAN
NAT	Port forwarding, DMZ, ALG
Firewall	IP/MAC/URL filter, access control, block port scanner, SYN flood
Network Mgmt	TR069
Diagnostics	TCP dump, ping, trace route

Statistics	<ul style="list-style-type: none"> LTE status Connection, system up time Device status DHCP client list Wi-Fi station list Firewall status
Maintenance	<ul style="list-style-type: none"> Date and time setting Reboot Restore factory settings Restore/back up config files Firmware upgrade locally or OTA
System Logs	Operating, run-time, filter / select / display / export
Antenna Selection	N/A

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	14°F to 113°F / -10°C to 45°C
Storage Temperature	-4°F to 158°F / -20°C to 70°C
Operating Humidity	5% to 95%

GLOBAL PART NUMBERS

EP3011	<p>PoE Wi-Fi Router - IEEE 802.11b/g/n/ac Wi-Fi, 2.4/5 GHz dual-band with PoE output</p> <ul style="list-style-type: none"> FCC certification: 2AG32EP3011 IC certification: 20982-EP3011
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Notes:

- 1 - Other models available for other regions. Contact sales_na@baicells.com.
- 2 - Customized versions may be requested.