





	Baicells SNAP Router	Cambium cnPilot r195W US TypeA P/S,	ReadyNet AC1300M	ReadyNet AC1000M
				
WAN Port	1*10/100/1000 auto-sensing, auto-MDX	2 x 10/100/1000Mb auto sense	1	1
LAN Port	2*10/100/1000 auto-sensing, auto-MDX	5 x 10/100/1000Mb auto sense	4	4
Power Supply	Input: Universal range 100V-240V AC PoE Output: 24V DC PoE, 2A	12VDC, 1a. 2.1mm x 5.5mm DC barrel connector		AC/DC adapter AC input: 100~240V, 50~60Hz DC output: 12V, 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	Status LEDs	Status LEDs	Status LEDs
Dimensions H/W/D	6.9 x 5 x 1 inches / 175 x 130 x 30 millimeters	190mm x 135mm x 40mm		
Weight	17.6 ounces / 500 grams	900g		
Standard	IEEE 802.11b/g/n/ac	802.11AC	IEEE 802.11b/g/n, IEEE 802.11ac	IEEE 802.11b/g/n, IEEE 802.11ac
Channel Bandwidth	20 MHz, 40 or 20 MHz, 40 MHz, 80 MHz	20 MHz, 40 or 20 MHz, 40 MHz, 80 MHz		
Frequency	2.4 GHz and 5 GHz dual-band support	2400 – 2484 MHz, 5150 – 5250 MHz	2.4GHz and 5.0GHz work simultaneously	2.4GHz and 5.0GHz work simultaneously
MIMO	2x2	2x2		
Peak Rate	802.11b: 11 Mbps 802.11g: 54 Mbps 802.11n: 300 Mbps 802.11ac: 866 Mbps	2.4 GHz radio: 300 Mbps 5 GHz radio: 867 Mbps	up to 1200Mbps wireless	up to 1200Mbps wireless
Modulation	DSSS/CCK, OFDM	256-QAM		
Sensitivity	> -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	External duplexed antenna		
Antenna Gain	5 dBi	5 dBi	5dBi external antennas	5dBi external antennas
Active Users	32	64		
Network Mode	NAT or Bridge	NAT mode and Bridge mode	NAT or Bridge	NAT or Bridge
IP Protocol	IPv4/IPv6		IPv6 (dual stack)	IPv6 (dual stack)
SIM	PIN management, SIM lock			
Network Connection	Auto or Manual			
LTE Scan Mode	Full band scan, frequency lock, PCI lock			
WLAN	WPS, MSSID isolation	WPS	WMM, WDS, WPS	WMM, WDS, WPS
VPN	L2TP/PPTP/GRE, VxLAN		VPN pass through (PPTP, L2TP and IPSec)	VPN pass through (PPTP, L2TP and IPSec)
NAT	Port forwarding, DMZ, ALG	Port Forwarding, DMZ, SuperDMZ	Port forwarding, DMZ host, Super DMZ	Port forwarding, DMZ host, Super DMZ

Firewall	IP/MAC/URL filter, access control, block port scanner, SYN flood	Firewall (SYN Flooding, IP Spoofing, Smurf Attack,		
Network Mgmt	TR069	TR069 / Cloud managed cnMaestro HTTP/HTTPS web interface TR-069, TR-098, TR-0104, TR-0106, TR-0143	Remote Provisioning and Firmware Upgrade Auto provisioning with TFTP, HTTP/HTTPS TR-069, TR-104, TR-157, TR-143 Multi-level Web management interface IVR-driven management interface Local and remote Syslog (RFC3164) SNTP time synchronization Telnet SNMPv2 IGMPv2, IGMPv3 ACL (access control list)	Remote Provisioning and Firmware Upgrade Auto provisioning with TFTP, HTTP/HTTPS TR-069, TR-104, TR-157, TR-143 Multi-level Web management interface IVR-driven management interface Local and remote Syslog (RFC3164) SNTP time synchronization Telnet SNMPv2 IGMPv2, IGMPv3 ACL (access control list)
Diagnostics	iPerf, ping, traceroute			
Statistics	<ul style="list-style-type: none"> • LTE status • Connection, system up time • Device status • DHCP client list • Wi-Fi station list 			
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 	<ul style="list-style-type: none"> • Firmware Upgrade • Web Management Interface • Local and Remote Syslog (RFC3164) • Auto Provisioning • SNTP Time Synchronization • Multi User Level SNMP v2 	<ul style="list-style-type: none"> • Firmware Upgrade • Web Management Interface 	<ul style="list-style-type: none"> • Wireless station signal strength (RSSI) via web interface and TR-069 • Upload and Download speed test via TR-069 • 5GHz and 2.4 GHz spectrum scan via web interface and TR-069 • Remote Provisioning and Firmware Upgrade • Auto provisioning with TFTP, HTTP/HTTPS TR-069, TR-104, TR-157, TR-143 • Multi-level Web management interface • Local and remote Syslog (RFC 3164) SNTP time synchronization • Telnet
System Logs	Operating, run-time, filter / select / display / export	local log and remote log		
Certifications	<ul style="list-style-type: none"> • FCC certification: 2AG32EP3011 • IC certification: 20982-EP3011 	FCC, ETSI, CE, EN 60601-1-2, IEC60950		FCC, CE, UL, RoHS Compliant
Additional Notes		Hardware accelerated NAT router beam steering, VHT rates, airtime fairness	SIP port (VoIP phone port)	1 USB port for storage 128M bytes DDR2 RAM 16M bytes flash