

## BROADSTICK XPON ONU

PN: BSNUD-G2W2C1R1

This XPON ONU support EPON and GPON networks. It supports ONU auto-discovery, link detection, and remote upgrade.

It can work as Routing mode or bridge mode and supports PPPoE/DHCP/static routing.

It includes 1 port Gigabit Ethernet, 1 port Fast Ethernet, 1 POTS port, WIFI and 1 CATV port.



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### Features

<b>Type</b>	Strengthen Polymer Plastic	<b>RJ45 Ports</b>	1 GE & 1 FE
<b>Size</b>	290x215x80 mm	<b>CATV port</b>	1
<b>Tx Distance</b>	20 Km	<b>POTS port</b>	1 FXS RJ11
<b>Optical Interface</b>	SC/APC	<b>Compliant</b>	RoHS

- Support EPON Standard EPON CTC3.0.
- Support ONU auto-discovery/Link detection/remote upgrade of software.
- WAN connections support Route and Bridge mode.
- Route mode supports PPPoE/DHCP/ static IP.
- Support WIFI Interface and multiple SSID.
- Support POTS interface for VOIP Service.
- Support CATV interface for Video Service and control by OLT.
- Support QoS and DBA.
- Support port Isolation and port vlan configuration.
- Support Firewall function and IGMP Snooping/Proxy multicast feature.
- Support LAN IP and DHCP Server configuration.
- Support Port Forwarding and Loop-Detect.
- Support TR069 remote configuration and maintenance.
- Specialized design for system breakdown prevention to maintain stable system.

For more information please contact [sales@broadstick.com](mailto:sales@broadstick.com)



Technical Item	Details
PON interface	1 G/EPON port(EPON PX20+ and GPON Class B+) Upstream: 1310nm; Downstream: 1490nm SC/APC connector Receiving sensitivity: $\leq -28\text{dBm}$ Transmitting optical power: $0\sim +4\text{dBm}$ Transmission distance: 20KM
LAN interface	2 x 10/100/1000Mbps auto adaptive Ethernet interfaces, Full/Half, RJ45 connector
WIFI Interface	Compliant with IEEE802.11b/g/n/ac 2.4GHz Operating frequency: 2.400-2.483GHz 5.0GHz Operating frequency: 5.150-5.825GHz Support 2*2MIMO, 5dBi external antenna, rate up to 867Gbps Support: multiple SSID TX power: 11n-- $22\text{dBm}$ /11ac-- $24\text{dBm}$
CATV Interface	RF, optical power : $+2\sim -18\text{dBm}$ Optical reflection loss: $\geq 60\text{dB}$ Optical receiving wavelength: $1550\pm 10\text{nm}$ RF frequency range: $47\sim 1000\text{MHz}$ , RF output impedance: $75\Omega$ RF output level: $\geq 82\text{dBuV}$ ( $-7\text{dBm}$ optical input) AGC range: $+2\sim -7\text{dBm}$ / $-4\sim -13\text{dBm}$ / $-5\sim -14\text{dBm}$ MER: $\geq 32\text{dB}$ ( $-14\text{dBm}$ optical input), $> 35$ ( $-10\text{dBm}$ )

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