

## OnAccess G4200-8T

### 8-Port G.hn Access Multiplexer



## Specification

Hardware	
System Architecture	4/8-Port G.hn Wave2 Twisted Pair GAM: 4/8* G.hn Wave2 ports(RJ45 connector) 2 * 1000-X//10000-X SFP/SFP+ ports 3 * 10/100/1000BT RJ45 ports 1 * RS232 console port(RJ45 connector) 2 * SYNC BNC ports
Input power & frequency	100 ~ 240VAC / 50 ~ 60Hz
LED	Power, System Active, SFP port link/active, Management port link/active, G.hn Link
Physical Dimension	1.0U high (440mm*256mm*44mm) Support 19" Rack Mount
Weight	<4.2 KG
Power consumption	<55 W
Environment Conditions	
Operating temperature	0°C ~ 50°C
Storage temperature	-25°C ~ 80°C
Operating humidity	10% ~ 90% non-condensing
G.hn performances & Specification	
Line Modulation Way	OFDM (Orthogonal Frequency Division Multiplexing)
G.hn Specification	2 ~ 200 MHz for Baseband (2~200MHz SISO, 2-100MHz MIMO) Support 2wire SISO and 4wire MIMO Power Mask Notching Dynamic PSD NDIM (Neighbor Domain Interface Mitigation) Radio Band Notching function NEXT (Near End Crosstalk) Mitigation
Software	
MAC Address	16K
VLAN Numbers	4K, 256 VLAN groups
Layer 2	802.1W STP, RSTP, PVSTP

	<p>802.1D Spanning Tree Protocol</p> <p>802.1Q VLAN and VLAN Trunking</p> <p>802.3ad Link Aggregation(MAX 8 Groups &amp; 8 members for each group)</p> <p>Jumbo Frame up to 9K</p>
Management	<p>Web-based management GUI</p> <p>CLI</p> <p>Syslog, SNMP v1/v2c/v3,SNMP trap, RMON, TFTP</p> <p>FTP, SNTF, TCP DUMP, Port Mirroring</p> <p>Security by using password for log-in via Console and Telnet</p> <p>Factory restore</p> <p>Reboot</p> <p>Firmware upgrade</p> <p>Configuration backup and restore</p>
Multicast	<p>IGMP Snooping V1/V2</p> <p>Multicast Group up to 512</p> <p>Multicast Traffic Block / Filtering</p> <p>Protection of malicious multicast traffic from subscriber port</p>
DHCP	<p>Private DCHP server blocking</p> <p>DHCP Broadcast Traffic Blocking forwarded by interface</p> <p>DHCP message Filtering</p> <p>DHCP broadcast traffic protection</p> <p>DHCP Request Flooding protection(DHCP snooping rate-limiting) DHCP Option 82</p> <p>Circuit-ID: port information user connected</p> <p>Remote-ID: MAC address information of Relay device</p>
Security	<p>DLF, Broadcast, TCP-SYN, IGMP Attack protection</p> <p>DHCP Filtering, Mac Filtering, NetBEUI, NetBIOS Filtering, NBT Packet filtering based on IP address and TCP, UDP port</p> <p>MAC spoofing, flooding protection(static MAC, MAC count)</p> <p>Multicast/Broadcast flooding protection</p> <p>Theft protection of Gateway IP address(GARP)</p> <p>Service classifying for the Control Packet (Ping, Telnet, SNMP, FTP, TFTP etc.) NetBIOS/ NetBEUI/ NBT filtering</p> <p>8 CPU queue, Rate-limit to CPU traffic</p> <p>IP/TCP/UDP Port Filtering</p>
QoS / ACL	<p>Layer 2(Source/Destination MAC Address, VLAN ID, COS Field)</p> <p>Layer 3(Source/Destination IP Address, DSCP Field) Priority/Parameter based QoS</p> <p>4 queue per port</p> <p>SPQ, WRR, SPQ + SDWRR, Egress Rate-shaping : port , queue DSCP marking/remarking</p> <p>Ingress ACL: 128</p>