NextAccess

PRODUCT DATASHEET

GIGACOAX

8-Port Outdoor GigaCoax Node

NA1008CO

Hardened IP65 G.hn master for strand, wall and pole mounting



8	2 × 10G	IP65	−20 to 60 °C
G.hn coax ports	SFP+ uplinks	housing	operating

OVERVIEW

The NA1008CO takes G.hn Wave2 out of the comms room and into the plant. Its IP65 housing mounts on a wall, strand or pole, bringing gigabit service to campus, estate and HFC-style coax networks where there is no indoor equipment room.

Eight coax ports each serve up to 16 subscribers, with dual 10G SFP+ uplinks. Two power options are available: local mains (110–264 VAC), or line power at 40–95 VAC fed over the coaxial cable itself.

KEY FEATURES

- 128 subscribers per node (8 ports × 16 CPE)
- Dual SFP/SFP+ uplinks for redundancy or daisy-chaining
- Mains or 60 VAC power fed over the coax
- IP65 enclosure, −20 °C to 60 °C operation
- Same managed L2 feature set as the indoor headend

SPECIFICATIONS

Hardware

Architecture	8-port G.hn Wave2 outdoor EoC master
G.hn ports	8 × coax, up to 16 CPE each
Uplink	2 × 1000-X / 10G-X SFP/SFP+
Ethernet	1 × 10/100/1000BASE-T RJ45
Console	1 × RS232 (RJ45)
Housing	IP65
Dimensions	270 (W) × 230 (D) × 145 (H) mm incl. connectors
Weight	4.6 kg net · 5.3 kg packed
Power input	– -AC: 110–264 VAC / 1.2 A max, 50/60 Hz external feed – -AC60: 60 VAC / 2 A max over coax (40–95 VAC), 50/60 Hz
Power consumption	< 62 W

Environment

Operating temperature	−20 °C to 60 °C
Storage temperature	−25 °C to 80 °C

Operating humidity	10% to 90% non-condensing

G.hn performance

Technology	ITU-T G.hn Wave2
Line modulation	OFDM (Orthogonal Frequency Division Multiplexing)
Spectrum	2–200 MHz baseband
Spectrum management	– Power-mask notching – Dynamic PSD – NDIM (neighbour-domain interference mitigation) radio-band notching – NEXT (near-end crosstalk) mitigation

Switching

MAC table	16K
VLANs	4K, 256 VLAN groups
Layer 2	– 802.1w RSTP, MSTP – 802.1D Spanning Tree – 802.1Q VLAN – 802.3ad link aggregation (8 groups × 8 members) – Jumbo frames up to 9K

Multicast & DHCP

Multicast	– IGMP snooping v1/v2 – Up to 512 multicast groups – Multicast traffic block / filtering – Protection from malicious multicast on subscriber ports
DHCP	– DHCP request-flood protection (snooping rate-limit) – Option 82 — Circuit-ID: subscriber port · Remote-ID: relay MAC

Security, QoS & ACL

Security	– DLF / broadcast protection – DHCP, MAC and NetBIOS/NetBEUI/NBT filtering – IP/TCP/UDP port filtering – Flooding protection (static MAC, MAC count) – Control-packet classification – 8 CPU queues with CPU rate-limit
QoS	– L2 classification: src/dst MAC, VLAN ID, CoS – L3 classification: src/dst IP, DSCP – 8 queues per port – SPQ, WRR, SPQ + SDWRR – DSCP marking / remarking
ACL	128 ingress ACL entries

Management

Interfaces	– Web GUI – CLI via console and Telnet – Three administrator privilege levels
Protocols	– SNMP v1/v2c/v3 and traps – RMON, Syslog, SNTP – TFTP – Port mirroring
Operations	– Remote firmware upgrade for headend and CPE – Configuration backup / restore – Factory restore and reboot – SFP/SFP+ DDMI diagnostics

ORDERING INFORMATION

NA1008CO-AC	8-port outdoor coax node, 2 × SFP/SFP+, 1 × GE, 110–264 VAC power module
NA1008CO-AC60	8-port outdoor coax node, 2 × SFP/SFP+, 1 × GE, 40–95 VAC power-over-coax module

Related products: NA1006CS · NA1001C · NA1004C

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