CoaxData G.hn Master (Up to 64 nodes)

Turn your business' TV cable into a high-speed network

Main element of the CoaxData G.hn installation. It is responsible for the management and provisioning of the CoaxData nodes of the local Ethernet network deployed over the coax. Its typical installation is at the headend of the coaxial infrastructure, where the TV and Internet services are found.

Internally, this master is capable of managing 4 independent G.hn domains, with up to 16 nodes in each, being able to serve a total of 64 nodes in the installation (16 x 4).

Each G.hn domain uses the network 25% of the time at a rate of 425 Mbps (Total G.hn rate 1.7 Gbps / 4 domains). For greater flexibility in managing the bandwidth among the different nodes, the device features an embedded Web/CLI interface that allows the activation or deactivation of G.hn domains, among other powerful functionalities.

The master includes an intuitive embedded Web/CLI interface for professionals who want to customize the network configuration and monitor all network elements (master and nodes).

Its functionalities have been designed with the philosophy of a GPON system, so it is possible to control and act very flexibly, not only on the master, but also on the connection points of the network.

Ref.	769310
Logical ref.	COAXDATAM
EAN13	8424450282335

Packaging info

Box	1 pcs.

Physical data

Net weight	3,061.00 g
Gross volume	8.21 dm³
Gross weight	3,390.00 g
Width	332.00 mm
Height	189.00 mm
Depth	65.00 mm
Main product weight	2,829.00 g

Highlights

- Plug and play: thanks to its default auto-configuration, it provides Internet access to the system as soon as it connects to the operator's router
- Highly dissipative mechanical design: its structure made of aluminum and Zamak ensures that it can withstand high temperatures even under the most adverse conditions
- Helps simplify the installation with a single coaxial output: thanks to its internal diplexer, it combines the TV headend signal with the data signal coming from the operator router for their transmission over a single cable
- Low power consumption: its easily interchangeable integrated power supply reduces power consumption by up to 19 W in the most critical scenarios
- Wall and rack mounting: its chassis is prepared for wall mounting as well as for mounting in 19" headend racks (2RU high)
- Device operation and G.hn network LED indicators
- Web/CLI embedded interface, aimed at proffesional experts: it allows to adjust and monitor the

parameters of the G.hn network. It includes powerful functionalities similar to those of a GPON system, which facilitate the control and configuration of both the master itself and the network nodes:

- Management of the 4 G.hn domains
- Addition/elimination of nodes in the network
- Creation of band-reject filters or notch filters
- Monitoring of the nodes' WiFi networks
- Alarms and events information
- G.hn network equipment upgrade
- Energy and temperature management

Technical specifications : Ref. 769310

Number of Gigabit Ethernet ports (10/100/1000BaseT)		4
Number of RF connectors		2
Number of G.hn domains		4
Max. number of nodes per G.hn domain		16
Bandwidth	MHz	200
Data rate	Gbps	1.73
Max. signal power	dBm/Hz	-81
Network protocols		802.1D Ethernet Bridge / IGMP (IPv4) Snooping / MLD (IPv6) Snooping / Quality of Service (QoS) / 802.1Q VLAN
Impedance	Ω	75
Frequency range data	MHz	1 ... 200
Frequency range TV	MHz	290 ... 2350
Through losses TV	dB	< 1.5
DATA/TV feedthrough losses	dB	< 1.5
Return losses	dB	> 10
Power supply connector		IEC-C7
Mains frequency		50 Hz / 60 Hz
Powering	Vac	100 ... 230
Max. power consumption	W	19
Operating temperature	°F	32 ... 113

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