



A SIMPLY
PERFECT
NETWORK.

G@Co-LIGHT
TAKES THE
UNUSUAL PATH



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G@Co-LIGHT, A VERSATILE AND COST EFFICIENT SOLUTION FOR THE LAST METER ON EXISTING COAX INFRASTRUCTURE.

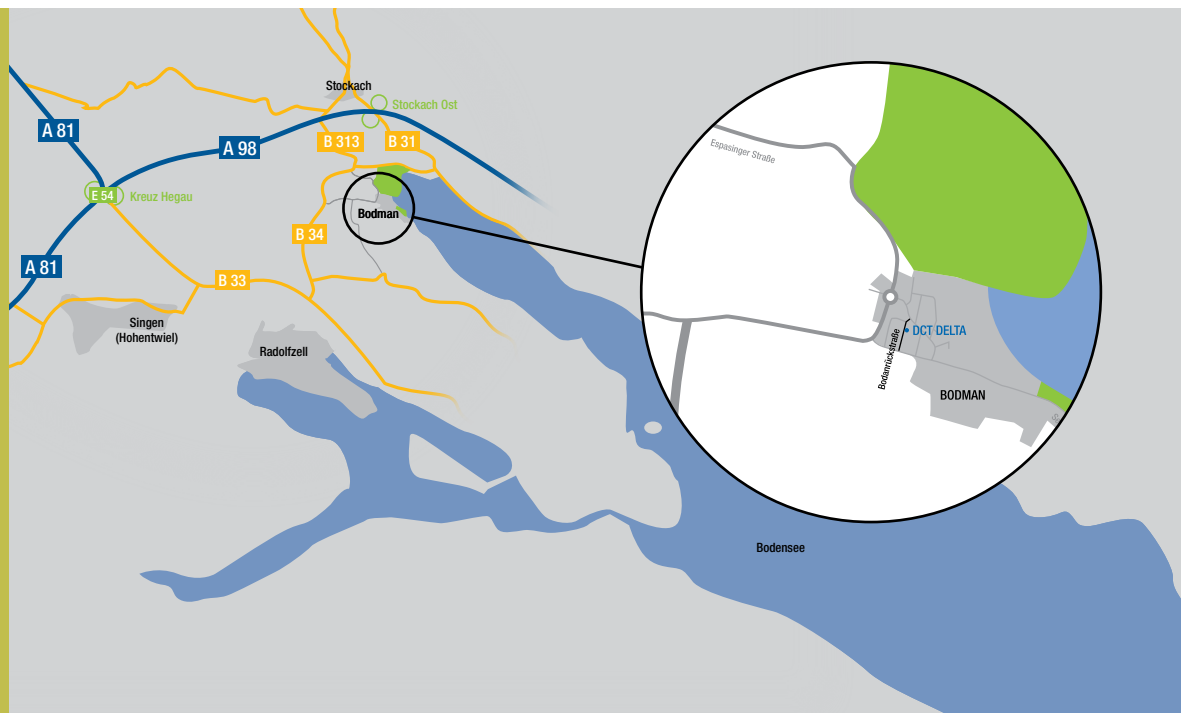
Technical data μ -Node

Details		Description
General	Technical standard	MoCa 2.5
	Data rate	2.5 Gbitps total data rate (Up- and Downstream), PtP max. 3 Gbps
	Maximum end users	124 (4 x 31)
PON-Fiber Technology	2.5G 10G	ITU G.984 EPON 802.3av (A/Symmetrical: 10/1 or 10/10) XG-PON1(10/2.5) XGS-PON (10/10) NG-PON2 ITU G989 (TWDM 4 x 10/10)
	SFP+	MSA compatible (compatibility test recommended)*
MoCA 2.5 Technology	Modulation	Adaptive OFDMA, QAM 1024/512/128/64/32/16/8/QPSK/BPSK
	RF-Bands	300MHz - 500MHz, 3 - 5 channels with each 100MHz, Standard band D (expanded)
	Frequency	1125 - 1675 MHz
	Channel RF Bandwidth	500MHz (5 x 100MHz)
	Multiplex	Pseudo Duplex: TDMA/TDD
	Error correction	LDPC
	Output level	Adaptive max. +2dBm/channel, +9dBm in total
	Max. Insertion loss	43 dB at full data rate (up to 75dB at reduced data rate)
IPTV	Type	IGMP-snooping
General	Latency	< 3ms round trip delay (Coax + PON Fiber)
	Safety	128 Bit AES Encryption
	Operating temperature	0°C - 45°C
	Common fiberglass	Cascading via fiber
	Range	max. 275 m
	Operating mode	Access, Mesh
Power consumption	12V	25W local powered (power supply)
	48V	25W reverse power feded (RPF)
	Energy saving modes	Acitivation of Sleep mode (SIEPON, ...)
QoS	PON	Full PON Bandwidth control and flow-based End-to-End QoS
	QoS Type	802.1P/DSCP/ToS Diff Serv PHB,
	Priority QoS	Strict; WFQ, Custome, ASF
Network Management	WEB-GUI	Status, statistics, base settings
	Management Interface	REST-API (TR069, DOCSIS-Emul on request)
Interfaces	Master Interface Type	4 x F type, Female; Impedance:75 Ohm 2 x SFP+ cage
	RF Interface	CATV can be combined externally
Dimensions		235 x 205 x 70 mm
Net weight		1400 g

Technical data CNU

	Details	Description
RF Parameter	Technical standard	MoCa 2.5
	Data rate	2.5 Gbitps total data rate (Up- and Downstream), PtP max. 3 Gbps
	Data bandwidth	1125MHz - 1675MHz
	HF bandwidth	5MHz - 1002MHz
	Diplexer (integrated)	5MHz-1002MHz/1125MHz-1675MHz
	Insertion loss	< 2dB
Interfaces	HF interface	1 combined input (Internet data & CATV) 1 Output (CATV)
	Data interface	1 x RJ-45, 100/1000/2500 Mbps
Energy consumption	Power supply	12 VDC external power supply
	Power consumption	<5W (< 30W max using RPF)
	Dimensions	110 x 70 x 28 mm
	Net weight	106 g
	Operating temperature	0°C - 45°C





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