

WISI GV 10 I

D-CMTS 16x4



Description

GV 10 is a DOCSIS 3.0 cable edge device for the delivery of video, data and voice services over coax. One of the first products to support a Distributed Access Architecture (DAA), the GV10 delivers DOCSIS/EuroDOCSIS/J-DOCSIS CMTS services today, with Universal EdgeQAM capabilities coming soon. Compact and cost-effective GV10 moves a service provider's RF requirements out of the headend or hub and places them deep in the fiber network, simplifying headend design and operation to resolve space and power constraints, lower capital and operational expenses, and provide service flexibility. GV10 allows Telcos and MSOs - and premise owners - to utilize a single device to deliver triple-play services to dense coax infrastructures, such as multiple dwelling units (MDUs), office buildings, college campuses and hospitality locations.

At a glance:

- CCAP-ready: DOCSIS/EuroDOCSIS/J-DOCSIS: CMTS and Universal EdgeQAM (future) capabilities
- GigE, GPON or EPON network interface
- 960 Mbps downstream/160 Mbps upstream
- 16 Downstreams
- 64/256QAM modulation
- 4 Upstreams QPSK/16QAM/32QAM/64QAM modulation
- Up to 500 subscribers
- Downstream and upstream channel bonding with partial service support

Technical data	
Downstream	
Number of output channel	16 pcs.
Datendurchsatz	960 Mbps
Frequency range	54...1006 MHz
Amplitude Frequency Response	< 0.25dB (within any QAM carrier); < 2 dB (between any two QAM channels on same RF port)
QAM Modulations	ITU-T J.83 Annex A (8 MHz), B (6 MHz), C (6 MHz)
QAM Constellations	Annex A/B/C: QAM 64, 256
QAM Agility	192 MHz
MER	Unequalized: > 39 (Typical: > 42); Equalized: > 45 (Typical: > 48) dB
BER	< 1 x 10 ⁻¹⁰ (per FEC)
Upstream	
Anzahl QAM-Kanäle	4 pcs.
Datendurchsatz	160 Mbps (≤ 40.96 Mbps per channel)
Kanalbreite	1.6 MHz, 3.2 MHz, 6.4 MHz
Frequency range	5...85 MHz
Frequency response upstream	+/- 1 dB
Modulation type	QPSK, 16-QAM, 32-QAM, 64-QAM, 128-QAM, 256-QAM (128 QAM, 256-QAM for S-CDMA for extended Broadcom-based cable modems)
Modulation Method	A-TDMA, S-CDMA
Spezifikationen	DOCSIS 3.0, C-DOCSIS
Monitoring:	
Eingangleistungspegel	-13 to 23 dBmV per channel
General data	
Power supplies	1 pcs.
Power consumption	< 45 W
Dimensions (width x height x depth)	43.4 x 4.3 x 32.4(1 RU) cm
Weight	5.0 lbs/ 2.3 kg
DOCSIS Features	
DS & US channel bonding with partial service	
CM support: DOCSIS 2.0 & 3.0	
Maximum service flows: 1,024	
DOCSIS classification	
Load balancing (CM count and bandwidth utilization-based)	
Forward Error Correction	
Concatenation/Fragmentation	
Multicast replication, Multicast DSID Forwarding (MDF) support	
Baseline Privacy Interface Plus (BPI+) - DES encryption	
Upstream ToS (Type of Service) overwrite	
Upstream Scheduling: Best effort, UGS, UGS-AD, rtPS, nrtPS	
Network Management	
Management Options	CLI, SNMP

Technical data	
SNMP Support	DOCSIS & IETF MIBs
Logging and Monitoring	Alarms status monitoring
Secure Access	SSHv2, TACACS+ AAA
Interfaces	
NSI Port	One RJ45 port or one port supporting pluggable optical or copper pt-to-pt or pt-to-mpt GigE, GPON or EPON networks
Total Throughput	1 Gbps Full duplex
RF Ports	Two, each port assignable as a DS, US or combined DS/US channel (the identical RF spectrum is served from both ports)
RF Monitoring Ports	Two (one DS, one US)
RF Port Connectors	F-type, 75 Ω, color coded for US and DS

Packaging data	
Sales unit	pcs.
Dimensions (WxHxD) sales unit	mm
Packaging volume sales unit	dm ³
Gross weight sales unit	kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	dm ³
Gross weight shipping unit	kg
EAN	4010056742201
Article number	74220
Customs tariff number	85437090