Casa Systems Downstream DS8x96 Module

Casa Systems' C100G award winning CCAP solution combines CMTS and MPEG video Edge-QAM in a high density, high availability 13 RU platform. Deployed by some of the world's leading service providers, the C100G's software defined architecture, industry-leading density, and integrated video capabilities provide a clear competitive edge in the delivery of ultra-broadband services.

Casa Systems' downstream DS8x96 module provides carriers with a lower capacity option than the DS8x192 module. It is designed to be deployed in either the C100G or the smaller C40G. The DS8x96 module not only supports DOCSIS 3.1® but for service provider flexibility, it also supports DOCSIS 3.0 and EuroDOCSIS 3.0 standards.

Feature	Benefit
DOCSIS 3.1 OFDM Spectrum Support	DOCSIS 3.1 support - OFDM support allows service providers to deliver the faster downstream speeds needed to meet customer and competitive demands
Density	8 physical RF F-connector ports OFDM support along with multiple SCQAM channels per port
Complete DOCSIS Unit	Complete DOCSIS downstream unit includes DOCSIS downstream MAC and PHY
Affordability	Industry's lowest cost per DOCSIS 3.0/3.1 channel for this class of product. Delivers economical solution for high bandwidth multimedia applications.

Highlights

DOCSIS 3.1 Support
OFDM support available today

Complete DOCSIS downstream unit includes DOCSIS downstream MAC and PHY

Cost Effectiveness
Industry's lowest cost per DOCSIS 3.0 / 3.1 channel for this class of product, delivering an economical solution for high bandwidth, multimedia applications

casa systems

Technical Specifications

Standards Supported	DOCSIS 3.1, EuroDOCSIS 3.0, DOCSIS 3.0
QAM Modulations	Annex A, B or C
DOCSIS 3.1 Modulations	QPSK, BPSK, 8, 16, 32, 64, 128, 256, 512, 1024 QAM
Channel Width	6 to 8 MHz tunable
Data Rates (DOCSIS)	27 Mbps @64 QAM 38 Mbps @ 256 QAM
Data Rates (EuroDOCSIS)	36 Mbps @64 QAM 51 Mbps @ 256 QAM
Frequency Range	48 MHz - 1000 MHz
Frequency Step Size	1 Hz
I/O Connector Type	F-connector
Maximum Output Power (sum of all channels)	60 dBmV @ 1 ch / port 59 dBmV @ 2 ch / port 58 dBmV @ 4+ ch / port
Output step size	0.1 dB
Output accuracy	+/- 5 ppm
Return Loss Accuracy	50 - 870 MHz, 14 dB 870 - 1218 MHz, 10 dB
Wideband Noise	- 73 dBc
Total Power	320W