



D5™ QPM 8DX4

Universal Edge QAM Module



- High Density QAM module for the D5 UEQ platform
- Frequency Range 54 MHz to 1 GHz
- 4 RF ports each support up to 8 contiguous QAM channels
 - 32 QAM channels per module
 - 192 QAM channels per D5 UEQ fullfill chassis
 - Supports ANNEX A/B/C
- Exceeds DOCSIS 3.0 DRFI Specifications
- Simultaneous support of multiple Services
 - Within a QAM Carrier
 - Within a bonded QAM channel group
- Arbitrary QAM channel muting allows non-contiguous channel assignments
- FPGA-based architecture allows for future enhancements
- True diagnostic capability of the QAM modulation process via advanced demodulator features which allow program stream analysis of a selected program

The QPM 8DX4 is a high density QAM module used in the ARRIS D5™ Universal Edge QAM (UEQ). It can be used for multiple applications, including Switched Digital Video (SDV), Video On Demand (VOD), Digital Broadcast and DOCSIS Modular CMTS (M-CMTS™). The module has 4 RF ports, each capable of providing up to 8 QAM channels (ITU-T Rec, J.83 Annex A/B/C).

The configuration of each QAM channel on each RF output port is highly flexible, allowing support for multiple services on a single QAM channel, on multiple QAM channels within a bonded group, and on different QAM modules in the D5 UEQ.

As part of the D5 UEQ, the QPM 8DX4 QAM module is easily managed via the extensive, industry leading tools for operations management. Users may select either the integral D5 Web Manager or the D5 Command Line Interpreter (CLI) for interfacing to a single system. The optional D5 Application Manager platform allows a single remote host to manage multiple D5 UEQs. All management options provide complete access control to all elements of the system.

The number of QAM output channels can be set independently for each RF port, ranging from 1 QAM channel per port up to 8 QAM channels per port. The 8DX4 QAM module permits muting of any of the provisioned channels to create non-contiguous channel assignments over a maximum 64 MHz frequency range. The 8DX4 QAM module is compatible with existing D5 UEQ hardware.

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D5 Overview

The ARRIS D5 Universal Edge QAM (UEQ) is a unique class of IP edge network device that enables delivery of a wide variety of multimedia content in a redundant, modular, and cost-effective package. It supports a complete QAM-Sharing solution with simultaneous delivery of any combination of Video-On-Demand, Digital Broadcast, Switched Digital Video (SDV) Services, and DOCSIS downstream data using the Modular Cable Modem Termination System (M-CMTS) architecture.

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Find more information about the D5™ QPM 8DX4 Universal Edge QAM Module and other D5™ products.

- Product Specifications—D5™ QPM 8DX4 Universal Edge QAM Module Technical Specifications (Publication Code: D5QPM8DX4_TS.pdf)

Customer Care

Contact Customer Care for product information and sales

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