



AW9500 ATSC 3.0 GATEWAY+



Introduction

The Anywave AW9500 is an industry standard ATSC 3.0 Broadcast Gateway/Scheduler that processes ROUTE and MMTP inputs and sends STLTP output to ATSC 3.0 Exciters. With the addition of Anywave's AW9200 ATSC 3.0/1.0 Exciter+ and AW9300 ATSC 3.0/1.0 Encoder+, this flexible platform provides a complete ATSC 3.0 solution to meet all of the Broadcaster's NextGenTV needs. With options for a built-in Tuner and MUX add/drop capability, this platform is the perfect solution for lighthouse arrangements with other stations. This versatile product is also capable of receiving an off air ATSC 3.0 channel to add in to the multiplex.

Key Features

- ✓ Easily implement and operate new ATSC 3.0 services in a variety of network configurations
- ✓ Reliable hardware based platform – not a server
- ✓ Encapsulates ROUTE and MMTP into STLTP delivery with signaling information
- ✓ ALP packetizing support for general IP data input
- ✓ Supports multiple PLPs and sub-frames, TDM/FDM/LDM modes, and SFN/MFN operation
- ✓ Provides Network Synchronization and SFN management
- ✓ Built-in Tuner (ATSC 3.0 and ATSC 1.0) with MUX add/drop capability provides program flexibility
- ✓ Remote monitoring and control via web browser and SNMP

Specifications

ATSC 3.0 Gateway

- Encapsulates ROUTE and MMTP into STLTP delivery with signaling information
- Manages and sends auto configuration to ATSC 3.0 Exciters, and manages SFN synchronization
- Supports LDM/TDM/FDM modes
- Manages single and multiple PLPs and sub-frames

Inputs/Outputs

- 2 x GigE Ethernet ports
- 1 x 100bT Ethernet port (management)
- 2 x ASI inputs
- RF tuner input
- Built-in GPS receiver
- 1PPS and 10 MHz inputs

General

- FPGA hardware-based platform
- Power: 88 ~ 264 VAC, 50/60 Hz
- Operating Temperature: -10 ~ 50 °C
- Operating Humidity: ≤ 95%
- Atmospheric Pressure: 86 kPa ~ 106 kPa
- Dimensions:
 - 19" (482.6mm) W x
 - 11.25" (285.6mm) D x
 - 1.75" (44.4mm) H
- Weight: ~ 18 lbs (8.2 kg)

Cost Effective 100%

Reliable 100%

Scalable 100%

Dependable 100%

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