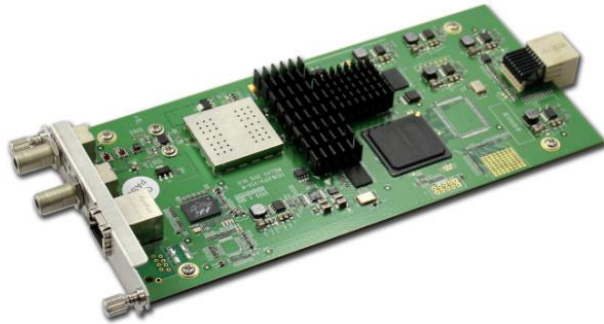


# OFDM-MOD-4CH

## 4-Channel IP-OFDM Modulator Module



### OVERVIEW

The 'OFDM-MOD-4CH' module combines IP input with OFDM RF modulation.

It can either pass-through the IP input to OFDM output or separate IP input and OFDM output independently to support multiplexing with other I/O modules. It's very suitable and cost-effective for IP-based DVB-T systems.

### KEY FEATURES

- Up to 4 channels of OFDM modulation
- Two operational modes: IP-to-OFDM pass-through or use independently with other I/O modules
- Platform-based Modular Design

### ORDERING INFORMATION

| Model                    | Description   |
|--------------------------|---|
| WAV-DMP SMP-OFDM-MOD-4CH | 4-CH DMP-SMP IP-OFDM Modulator Module                           |
| WAV-SMP100-CHASSIS       | Chassis (1RU, embedded MUX and IP/ASI, 3 x slots)               |
| WAV-DMP900-CHASSIS       | Chassis (1RU, embedded MUX, 6 x slots, Dual PSU, hot-swappable) |

### SPECIFICATIONS

#### INTERFACE

|                        |                        |
|------------------------|------------------------|
| IP Connectors:         | 1 x 1000-Base-T, RJ-45 |
| RF Out Connectors:     | 1 x F-type female      |
| RF Monitor Connectors: | 1 x F-type female      |

#### IP INPUT

|                |                                  |
|----------------|----------------------------------|
| Max Bitrate:   | 750 Mbps (up to 72 Mbps/channel) |
| Channels:      | 128                              |
| Traffic Type:  | Unicast, Multicast               |
| Packet Format: | RTP, UDP                         |

#### RF OUTPUT

|                     |   |
|---------------------|---|
| Channels:           | 2 or 4 adjacent channels                              |
| Output Range:       | 48 ~ 862 MHz  |
| QAM Constellations: | QPSK/16QAM/64QAM                                      |
| Transmission Modes: | 2K, 8K  |
| FEC:                | 1/2, 2/3, 3/4, 5/6, 7/8                               |
| Guard Interval:     | 1/4, 1/8, 1/16, 1/32                                  |
| Output Level:       | 30 ~ 52 dBmV @ 4 channels<br>30 ~ 55 dBmV @ 1 channel |

