16 DVB-S/S2 BISS to 8 COFDM Modulator

Model : 16S2-8T

Product Description:

16S-8T 16 DVB-S/S2 BISS to 8 COFDM Modulator is a high performance and cost-effective DVB-T Modulator. It has 16 DVB-S/S2 Tuner inputs, after multiplexing, scrambling (only for DVB-C) and modulating process, then it gives 8 RF output. To meet customers' various requirements, this device is also equipped with 128 IP input and 8 MPTS output over UDP and RTP. Its pluggable structure design greatly facilitates the change of modules as needed. Moreover, 16S-8T can support Biss descrambling (Optional) and can be upgraded and controlled through network system, which allows it to be widely used in setting up digital broadcasting network and provide good signals for scientific laboratory and DVB-T STB.

Features:

1. 16 Tuner (16 DVB-S/S2 Tuner) input ports.
2. Support maximum 128 IP input (MPTS/SPTS) over UDP and RTP protocol.
3. Support 4 groups multiplexing +4 groups DVB-T modulating.
4. 8*DVB-T carrier output and 8 IP (MPTS) output over UDP and RTP protocol (Biss descrambling optional).
5. Integrated demodulating and multiplexing functions.
7. Support PID Remapping.
8. Support PSI/SI rebuilding and editing.
9. Web-based NMS management.
### Specification:

<table>
<thead>
<tr>
<th>Input</th>
<th>16 DVB-S/S2 FTA Tuner 128 IP(SPTS/MPTS) input over UDP and RTP, RJ45, 1000M/100M Unicast/Multicast</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVB-S</td>
<td><strong>Input Frequency</strong> 950-2150MHz, <strong>Symbol rate</strong> 2-45Mspis, <strong>Signal Strength</strong> -65--25dBm, <strong>FEC Demodulation</strong> 1/2, 2/3, 3/4, 5/6, 7/8 QPSK</td>
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<tr>
<td>DVB-S2</td>
<td><strong>Input Frequency</strong> 950-2150MHz, <strong>Symbol rate</strong> QPSK 1-45Mbauds; BPSK 2-30Mbauds, <strong>Code rate</strong> 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, <strong>Constellation</strong> QPSK, BPSK</td>
</tr>
</tbody>
</table>

#### Multiplexing
- **Maximum PID Remapping:** 256 per input channel
- **Function:** PID Remapping, Accurate PCR adjusting, Generate PSI/SI table automatically

#### Modulation
**DVB-T**
- **Standard** EN300744
- **FFT mode** 2K
- **Bandwidth** 6M, 7M, 8M
- **Constellation** QPSK, 16QAM, 64QAM
- **Guard Interval** 1/4, 1/8, 1/16, 1/32
- **FEC** 1/2, 2/3, 3/4, 5/6, 7/8
- **MER** ≥42 dB
- **RF frequency** 50-960MHz, 1kHz step
- **RF out** 4*RF COFDM DVB-T out (4 carriers combined output)
- **RF output level** -28-- -3 dBm (77-97 dbµV), 0.1db step

#### System:
- **Remote management** Web NMS
- **Stream Out** 4*MPTS over UDP and RTP out (RJ45, 1000M/100M Unicast/Multicast)
- **Language** English and Chinese
- **Software Upgrading** Web and USB

#### General:
- **Dimension (W*D*H)** 482mm×300mm×44.5mm
- **Weight** 3.7kg
- **Temperature** 0-45°C (Operation) ; -20-8°C (Storage)
- **Power** AC 100V±1050/60Hz; AC 220V±10%, 50/60HZ
- **Consumption** 25W