

sirius

MODULATOR

SIRIUS IS A CARRIER-GRADE QAM MODULATOR ABLE TO FEED UP TO 24 QAM CHANNELS INTO DISTRIBUTION NETWORKS NEAR THE EDGE OF THE SUBSCRIBERS. THE INCOMING MPEG-2 TRANSPORT STREAMS ARE CARRIED INTO DIFFERENT IP STREAMS, AS UNICAST OR MULTICAST DATA PACKETS, ARE CONVERTED AT THE OUTPUT IN RF SIGNALS IN THE SELECTED FREQUENCY RANGE TO FEED THEM INTO LOCAL CATV OR HFC NETWORKS.

THE QAM CONSTELLATION IS SELECTABLE BETWEEN THE STANDARD VALUES 32, 64, 128 AND 256; THE OUTPUT FREQUENCY IS CONFIGURABLE IN THE RANGE FROM 45 TO 862 MHZ. PCR RESTAMPING AND NULL-PACKETS INSERTION ARE SUPPORTED IN ORDER TO GET THE CONSTANT OUTPUT BIT RATE.

SIRIUS MODULATOR MANAGEMENT IS CARRIED OUT VIA A WEB BROWSER FROM ANY PC OR LAPTOP. MOREOVER, SNMP PROTOCOL IS SUPPORTED FOR THE MANAGEMENT INTEGRATION IN A NETWORK MANAGEMENT SYSTEM.

Sirius series features

| | N° TS (IP streams) | Ethernet Interface x GbE | N° QAM Channels |
|------------------|-----------------------|--------------------------------|--------------------|
| POL-SIRIUS-MOD8 | 8 | 1 | 8 |
| POL-SIRIUS-MOD16 | 16 | 2 | 16 |
| POL-SIRIUS-MOD24 | 24 | 3 | 24 |

KEY FEATURES

- IP input, up to 8 transport streams
- DVB-C Standard EN 300429
- 32, 64, 128 and 256 QAM constellations are supported
- Output frequency is adjustable (47-862 MHz)
- PCR restamping
- Easy configuration via Web Browser
- SNMP support
- Carrier grade, 24/7 operation; redundant power supply

SPECIFICATIONS AND REQUIREMENTS

- Network Interface (Input Streaming and Management)
 - x GbE (RJ45) half/full duplex, auto negotiate
- RF Interface
 - Connector: F, 75 Ω
 - Frequency range: 45 - 862 MHz
 - Return Loss: 14dB
- QAM Modulation:
 - DVB-C Standard EN 300429
 - 32, 64, 128 and 256 QAM constellations
 - 8 transport streams per Giga Ethernet interface
 - PCR restamping
 - Null packet insertion/deletion
 - Flexible data rate
- Network Protocols
 - UDP (incoming streaming)
 - TCP/IP (Management)
 - IGMP v1, v2
 - SNMP
- Power:
 - 35 W with 100-240 VAC
 - Redundant Power Supply

- Physical:
 - Dimensions (H/W/D): 44 (1U), 450, 320 mm.
 - Weight: 4.3 Kg.
- Environmental:
 - Agency Approvals: CE, RoHS
 - Operating temperature & humidity: 0 to 50°C, < 80 % RH
 - Storage temperature & humidity: -10 to 70°C, < 95 % RH
- Limited Warranty:
 - 1 year standard limited warranty. Warranty extensions are available

ORDERING INFORMATION

- **POL-SIRIUS-MOD8:** Sirius QAM Modulator, up to 8 channels
- **POL-SIRIUS-MOD16:** Sirius QAM Modulator, up to 16 channels
- **POL-SIRIUS-MOD24:** Sirius QAM Modulator, up to 24 channels



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POL-SIRIUS-MODx

