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**DIGITAL
DEMODULATORS**





XBT 701 VHF/UHF AGILE DVB-T DEMODULATOR



DCB 802D DIGITAL QPSK DEMODULATOR

PRINCIPALI CARATTERISTICHE:

- > Disponibili per la demodulazione di segnali QPSK, QAM o COFDM.
- > Doppie uscite ASI (LVDS opzionale).
- > Ingresso ausiliario e commutatore automatico integrati.
- > Disponibili in versione stand-alone o plug-in.
- > Adattatore di rete integrato.
- > Configurazione e controlli locali e remoti.
- > Vasta gamma di front-end.
- > Bassi consumi ed ingombro ridotto.

MAIN FEATURES:

- > Available for demodulation of QPSK, QAM or COFDM signals.
- > Double ASI output (LVDS optional).
- > Auxiliary input and integrated automatic switch-over.
- > Available in stand-alone or plug-in versions.
- > Integrated network adapter.
- > Local and remote configuration and control.
- > Broad range of front-end.
- > Low power consumption and reduced dimensions.

CARACTERÍSTICAS PRINCIPALES:

- > Disponibles para la demodulación de señales QPSK, QAM o COFDM.
- > Dobles salidas ASI (LVDS opcional).
- > Entrada auxiliar y conmutador automático integrados.
- > Disponibles en versión stand-alone o plug-in.
- > Adaptador de red integrado.
- > Configuración y controles locales y remotos.
- > Vasta gama de front-end.
- > Bajos consumos y dimensiones reducidas.

Questa famiglia di demodulatori comprende apparati conformi agli standard DVB-S, DVB-C e DVB-T in grado di ricevere segnali QPSK, QAM e COFDM. Disponibili in versione stand-alone o in moduli plug-in, possono essere utilizzati per la conversione in tecnica digitale di ponti microonde esistenti o, nel caso del demodulatore COFDM, per l'implementazione di ripetitori DVB-T rigenerativi. Tutti i modelli dispongono di un ingresso ASI ausiliario con commutazione automatica in modo da provvedere all'inserimento del Transport Stream applicato a quest'ultimo in caso di assenza del segnale principale in ricezione. Una gamma completa di versioni e di accessori permette l'utilizzo di questi demodulatori in combinazione con ponti microonde fissi e mobili o per la ricezione ed elaborazione di segnali satellitari, di TV via cavo o di televisione digitale terrestre. A seconda del modello e della versione prescelta il controllo e la configurazione dei parametri di funzionamento degli apparati sono possibili tramite il pannello di controllo locale con ampio display, tramite interfacce seriali o utilizzando un browser web standard grazie al web server interno in tecnologia Java.

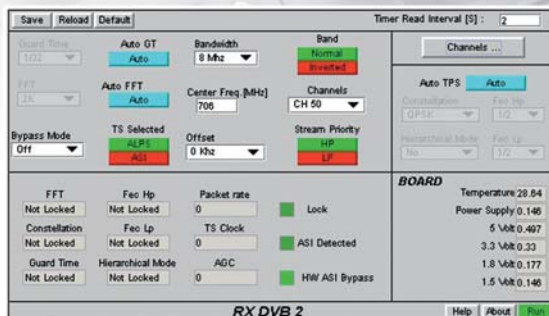
This family of demodulators consists of equipment that conforms to DVB-S, DVB-C and DVB-T standards and that are capable of receiving QPSK, QAM and COFDM signals. Available in stand-alone versions and plug-in modules, they may be used for conversion of existing microwave links into digital technology or, in the case of COFDM demodulators, for the implementation of DVB-T regenerative transposers. All models carry an auxiliary ASI input with automatic change-over so as to provide for a spare Transport Stream insertion in case of lack of the main received signal. A broad range of versions and accessories makes it possible to use these de-modulators combined with fixed or mobile microwave links or for the reception and processing of satellite, cable TV, or digital terrestrial television signals. According to the selected model and version, the control and the configuration of the equipment operating parameters may be performed through a local control panel with large display, through serial interfaces, or a standard Web browser thanks to the internal Web server in Java technology.



XBT 700 VHF/UHF AGILE DVB-T DEMODULATOR (PLUG-IN VERSION)



DCB 801D DIGITAL QPSK DEMODULATOR (PLUG-IN VERSION)



Esta familia de demoduladores incluye aparatos conformes a los estándares DVB-S, DVB-C y DVB-T capaces de recibir señales QPSK, QAM y COFDM.

Disponibles en versión stand-alone o en módulos plug-in, se pueden utilizar para la conversión a la técnica digital de enlaces de microondas existentes o, en el caso del demodulador COFDM, para la implementación de repetidores DVB-T regeneradores.

Todos los modelos disponen de una entrada ASI auxiliar con conmutación automática para proceder a la introducción del Transport Stream aplicado a ésta en caso de ausencia de la señal principal en recepción.

Una gama completa de versiones y accesorios permite utilizar estos demoduladores junto con enlaces de microondas fijos y móviles o para la recepción y procesamiento de señales por satélite, de TV por cable o de televisión digital terrestre.

Según el modelo y la versión escogida el control y la configuración de los parámetros de funcionamiento de los aparatos son posibles mediante el panel de control local con amplio display, mediante interfaces serie o utilizando un navegador web estándar gracias al servidor web interno con tecnología Java.

DIGITAL DEMODULATORS

TECHNICAL CHARACTERISTICS

QPSK DEMODULATOR

Modulation	QPSK (DVB-S compliant)
Payload	Up to 34 Mbits/s (optional up to 60 Mbits/s)
Bandwidth	1 to 40 MHz (software selectable)
Network adapter	Internal
Code rates (FEC)	1/2, 2/3, 3/4, 5/6, 7/8
Roll-off	0.35
Inputs	70 MHz Intermediate Frequency or "L" band ASI input for automatic change-over
Outputs	2 x ASI, BNC, 75 Ω or 1 x LVDS, Sub-D 25, 100 Ω
Control and monitoring	Extensive front panel control Local terminal on RS-232
Cooling	Convectional
Operating temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90 to 264 V AC, 12 V DC
Dimensions (stand-alone version)	1 RU (19" rack)

QAM DEMODULATOR

Modulation	16, 32, 64, 128, 256 QAM (DVB-C compliant)
Payload	Up to 34 Mbits/s, standard Up to 155 Mbits/s, optional
Bandwidth	Up to 8 MHz, standard Up to 28 MHz, optional
Network adapter	Internal
Roll-off	0.15 - 0.35 (selectable)
Inputs	70 MHz Intermediate Frequency 10-160 MHz (optional) UHF band VHF band (optional) ASI input for automatic change-over
Outputs	2 x ASI, BNC, 75 Ω or 2 x G703 (optional)
Control and monitoring	Extensive front panel control Local terminal on RS-232
Operating temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90 to 264 V AC, 12 V DC
Dimensions (stand-alone version)	1 RU (19" rack)

COFDM DEMODULATOR

Modulation	QPSK, 16QAM, 64QAM (DVB-T compliant)
Payload	Up to 32 Mbits/s
Code rates	1/2, 2/3, 3/4, 5/6, 7/8 (automatic)
Bandwidth	6, 7 or 8 MHz
Network adapter	Internal
Hierarchical mode	All DVB-T modes supported
Inputs	UHF and VHF bands ASI input for automatic change-over
Outputs	2 x ASI, BNC, 75 Ω
Local control and monitoring	Extensive front panel control Local terminal on RS-232
Remote control and monitoring	Web based Java interface Telnet access via Ethernet
Operating temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90 to 264 V AC, 12 V DC
Dimensions (stand-alone version)	1 RU (19" rack)



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