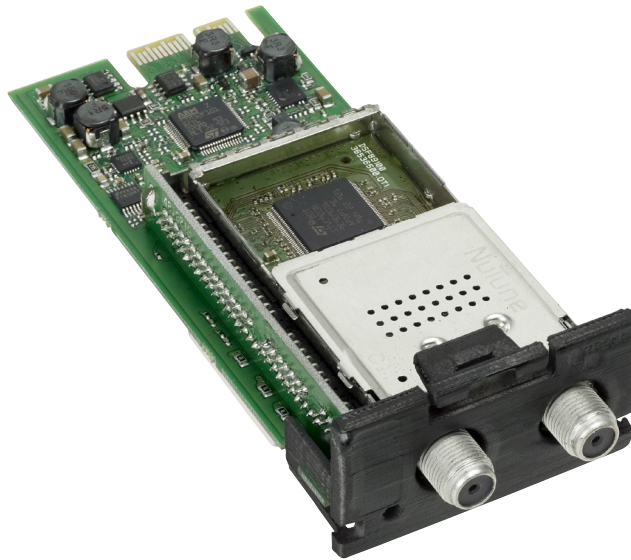


TDX DVB-S/S2 Input Module QPSK and 8PSK Demodulator

Part# GK-TDXDVBSFE



The DVB-S/S2 frontend module is an input module for the reception of digital satellite signals in a TDX headend system. The module can receive a complete transponder and all services on the chosen frequency can be transferred to the TDX pool. The DVB-S/S2 frontend module includes an IF tuner with antenna loop through and a QPSK/8PSK demodulator with serial transport stream input to the TDX headend system.

The DVB-S/S2 modules can be placed in any of the slots in the input section. For ease of use, each slot has been given a number and an overview of the slot numbers is placed on a sticker mounted on the inside of the door on the TDX frame. It is possible to remove an input module from a module slot without using any tools. Using your fingers, simply press the fastener downwards and then pull the module of the module slot.

KEY FEATURES

- Antenna loop through.
- Software downloading through TDX system controller module.
- Preconfiguration from/to file through system controller module.
- Log to file/flash.
- DVB-S compliant, up to 45 MS/s.
- DVB-S2 compliant, up to 37 MS/s.
- Programmable LNB control: 0/14/18V - 0/22kHz.
- Hot swap service in TDX system.
- All services will be transferred to the TDX pool.
- DiSEqC compliant (1.0)

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RF			
Frequency range	MHz		950-2150
Input level	dB μ V		42-82
Input impedance	Ohm		75
Input return loss	dB		> 10
Loop through gain	dB		0 - 6
LNB control DiSEqC			1.1
LNB control V/H	V/mA		0-13-18 / 300
Input connector			F - connector
Output connector (loop through)			F - connector
LNB Control			
V/H programmable	V/mA		< 2.4
LO/HI programmable	kHz		10 \pm 1
DiSEqC level			1.1 (not yet implemented)
Power supply			
Voltage/current @ LNB supply OFF	V/mA		12 / 250 (typ)
Voltage/current @ LNB supply ON max	V/mA		12 / 550 (typ)
Environment			
Temperature, operating	$^{\circ}$ C		-10...+50
Temperature, storage	$^{\circ}$ C		-20...+70
Humidity, operating	%		20...80
Humidity, storage	%		10...90
Mechanical data			
Input connector			F-connector
Output connector			F-connector
Power supply/control connector	mm		Edge connector 2X18P
Weight	kg		0.080
Dimension (HxDxW)	mm		29 x 132 x 50
Remarks			
Configuration			Frequency, Polarity, Symbol rate, Update (search)