

COMBINED MODULES FOR RACK

SATELLITE TO DVBT/C

RM94-RM94CI2-RM98-RM98CI2-RM98CI4



- Four full band tuners, SCR-dCss compatible
- Each input can feed 8 demodulators
- 8 x DVBS/S2/S2X/multistream demodulators
- Biss Decryption
- One (RM94/RM94CI2) or Two (RM98/RM98CI2/ RM98CI4) COFDM/QAM quad modulators (DVBT/C) (total 4 or 8 output channels)
- 2CI or 4CI slots
- Very compact module
- Made in Belgium



RM98CI4



RM94



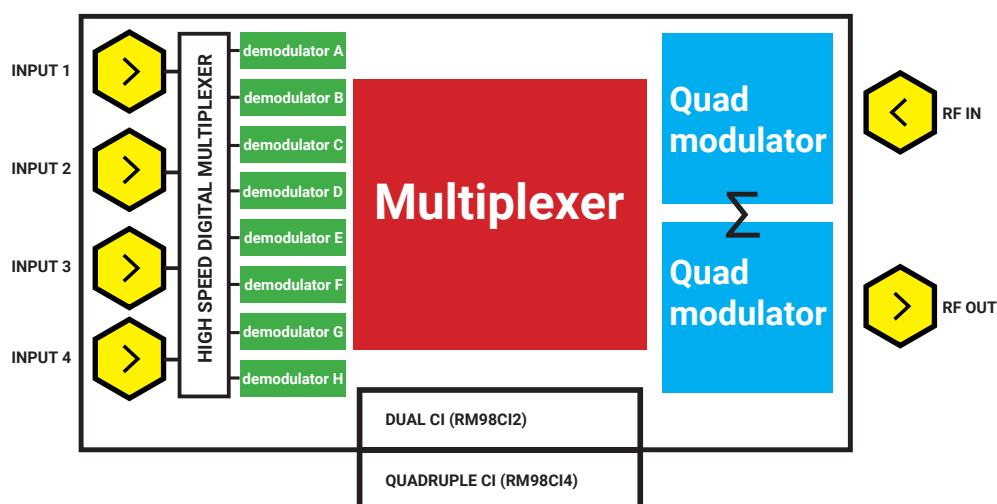
RM94CI2



RM98



RM98CI2



SCHEMATICS RM98CIx

*Specifications, descriptions and photographs are subject to change without notice.

*The products comply with the requirements of the CE mark. The declaration of conformity is available upon request.

TECHNICAL SPECIFICATIONS:

INPUT		
SAT inputs (x4) (wide band capture)	Frequency	950-2150 MHz
	Input level	-70 dBm to -5 dBm
	LNB supply	13/18V - Tone - DiSEqC (300mA each input)
Demodulators (x8)		
DVB-S	Modulation - symbol rate	1....45 MSps
	System	QPSK
DVB-S2	Modulation - symbol rate	1....45 MSps
	System	QPSK, 8PSK, 16APSK, 32APSK, CCM, ACM, VCM, Single transport stream, Multiple transport stream Generic Stream Encapsulation
DVB-S2X	System	QPSK, 8PSK, 8APSK-L, 16APSK, 16APSK-L, 32APSK, 32APSK-L, 64APSK, 64APSK-L
OUTPUT		
	RM94xx : 4 ADJACENT CHANNELS / RM98xx : 2 x ADJACENT CHANNELS	
	Number of channels	4 adjacent channels or 8 (2x4 adjacent channels)
	Output level	> 95 dBµV (adjustable in DTViface)
	Insertion loss	< 2 dB
DVBT/COFDM	Output frequency	170-230 MHz + 470-862 MHz
	FEC	1/2, 2/3, 3/4, 5/6, 7/8
	Guard Interval	1/4, 1/8, 1/16, 1/32
	Mode - MER	2K - > 35 dB
DVBC/QAM	Output frequency	50-862 MHz
	Constellation	16,32,64,128,256 QAM (EN 300 429)
	Symbol Rate	4 - 6.96 Mb/s
	MER	> 39 dB
DVB Processing	TsID, NIT version, ONID, NID, Network Name, LCN	
CI slots	RM94CI2, RM98CI2	2
	RM98CI4	4
CONSUMPTION @ 5V		
	mA	RM98 : 2550 mA / RM98CI2 : 2750mA / RM98CI4 : 2950mA RM94 : 1950 mA / RM94CI2 : 2150mA (please add consumption of the CAM for RMxxCIx models)
Max. input rate from backplane	Mb/S	400

DTVIFACE SNAPSHOT

