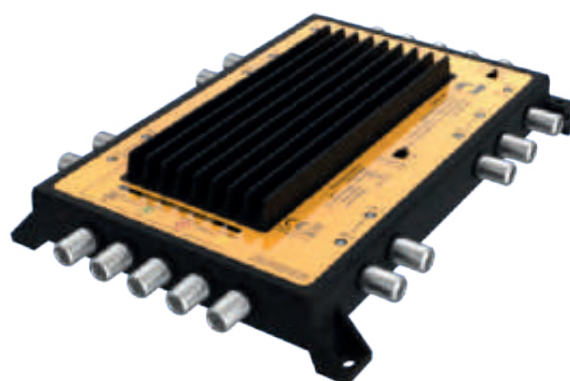


IV5413 - IV5458 Unicable II multiswitch with 4 and 8 auto-detect output ports



SPECIFICA	IV5413	IV5458
Frequency range: satellite	Quattro LNB: 950 MHz ~ 2150MHz (Standard) Wideband LNB: 300 MHz ~ 2350MHz	
Frequency range: terrestrial	47 MHz ~ 862 MHz	
Inputs	4x IF inputs: From 1x Quattro LNB (default) From 2x Wideband LNBs 1 x UHF/VHF input from Terrestrial antenna	
Outputs	4x Loopthrough satellite IF outputs* 1x Loopthrough terrestrial output 4x auto-detect Unicable II / Legacy output ports with combined terrestrial signal. Default behavior: Legacy mode on power up, auto-switch to Unicable II™ dynamic mode upon receiving an EN50494/EN50607 command.	4x Loopthrough satellite IF outputs* 1x Loopthrough terrestrial output 8x auto-detect Unicable II / Legacy output ports with combined terrestrial signal. Default behavior: Legacy mode on power up, auto-switch to Unicable II dynamic mode upon receiving an EN50494/EN50607 command
Input power range	-50 dBm ~ -5 dBm	
Output signal level (AGC)	-25 dBm (83 dBuV)	
RF isolation: satellite/terrestrial (input)	25 dB min.	30 dB min.
RF isolation: satellite/satellite (input)	25 dB min.	30 dB min.
RF isolation: satellite ch/ch (UBs, output)	28 dB min.	30 dB min.
Loop-through loss: satellite	4dB max. (loss)	
Loop-through loss: terrestrial	8 dB max. (loss) [amplification=OFF] 8 dB min. (gain) [amplification=ON]	8 dB @ 400~600 MHz (12 dB max.) (loss) [amplification=OFF] +11 dB @ 400~600 MHz (+7 dB min.) (gain) [amplification=ON]
Gain: Unicable II™ (dCSS) output (out of AGC)	25 dB min.	
Gain: terrestrial signal	-27 dB [amplification = OFF] 9 dB [amplification = ON]	-19 dB @ port 4 over 400~600MHz (-25 dB min.) [amplification = OFF] +1 dB @ port 4 over 400~600MHz (-9 dB min.) [amplification = ON] * 1dB difference between adjacent ports, -1 dB from port 1 through to port 8
Integrated phase noise	1.5° max.	
Control protocols	EN50494 (SatCR), EN50607 (dCSS), DiSEqC1.0/2.0, 13 V/18 V + 0 kHz/22 kHz	
Legacy port switching	V/L => 13 V/0 kHz, V/H => 13 V/22 kHz H/L => 18 V/0 kHz, H/H => 18 V/22 kHz	
Input/Output impedance	75 Ω (F-type)	
LNB power supply	500 mA max. @ 18 VDC	
Power consumption	600 mA ~ 900 mA @ 10 VDC ~ 20 VDC max.	1200 mA @ 19 VDC (no load)
Working temperature	-20 °C ~ +50 °C	
IP protection	IP54	
Product dimensions (W x D x H)	15.2 cm x 11 cm x 2.6 cm	210 mm x 146 mm x 3.7 mm
Weight	280 g	500 g



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