



Unicable cascadable switch 8 User Bands with 1 Legacy port

(AC/DC power adapter and power inserter)

Model: IDLU-USW112-CUO10-8PP

Item: 5191

The IDLU-USW112-CUO10-8PP is the smallest form factor Unicable switch enabling installations with up to 8 satellite receivers over a single cable. The multiswitch receives (and cascades) four satellite IF bands (L/V, L/H, H/V and H/H) signals from a Quattro LNB.

In addition to its eight User Bands Unicable output, the multiswitch also features a legacy output and is powered through its Unicable port either via a connected STB or with the AC/DC adapter via the power inserter device (in case the connected Quattro LNB needs to be powered too).

The communication protocol between the multiswitch and the receivers connected through the Unicable port is based on the EN 50494 standard for single cable distribution.

For indoor and outdoor installations.

Technical Specifications

Inputs	4 x Satellite IF inputs from Quattro LNB
Outputs	4 x loopthrough satellite IF outputs 1 x Legacy output 1 x Unicable output for up to 8 receivers
Control Protocol Inputs frequency range:	DiSEqC extension commands per EN50494 950 ~ 2150 MHz
Loop-through loss:	3 dB max.
Conversion gain: Unicable output Legacy universal output	+10 to +20 dB -1 to +7 dB
Output signal level (ACG controlled) Input power range User band (Channel) bandwidth User band (Channel) gain ripple User band frequencies (Channels)	93dB μ V -45 to -15 dBm 40 MHz 3 dB max. CH 0 : 1076.06 MHz CH 1 : 1178.12 MHz CH 2 : 1280.18 MHz CH 3 : 1382.24 MHz CH 4 : 1484.30 MHz CH 5 : 1586.36 MHz CH 6 : 1688.42 MHz CH 7 : 1790.48 MHz
RF Isolation: Satellite/Satellite IF Satellite Channel/Channel (UBs)	28 dB min. 30 dB min.
LO phase noise	@1 KHz: -92 max dBc/Hz @10 KHz: -101 max dBc/Hz @100 KHz: -99 max dBc/Hz @1 MHz: -103 max dBc/Hz
Integrated phase noise Input / Output VSWR Input / Output Impedance LNB input	1.5 degrees max. 2.5 : 1 75 Ω (F-Type) V/L=>13V/0kHz , V/H=>13V/22kHz H/L=>18V/0kHz , H/H>18V/22kHz
LNB power supply DC Power consumption Working Temperature Dimensions	13/18V, max 300mA 300mA @13Vdc [max.] - 34 ~ + 60 °C 151 x 110 x 22.8 (H x W x D) mm

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