



Unicable cascading switch 4 User Bands

(AC/DC Adaptor and Power inserter included)

Model: IDLU-USW103-CUO10-4PP

Item: 5066

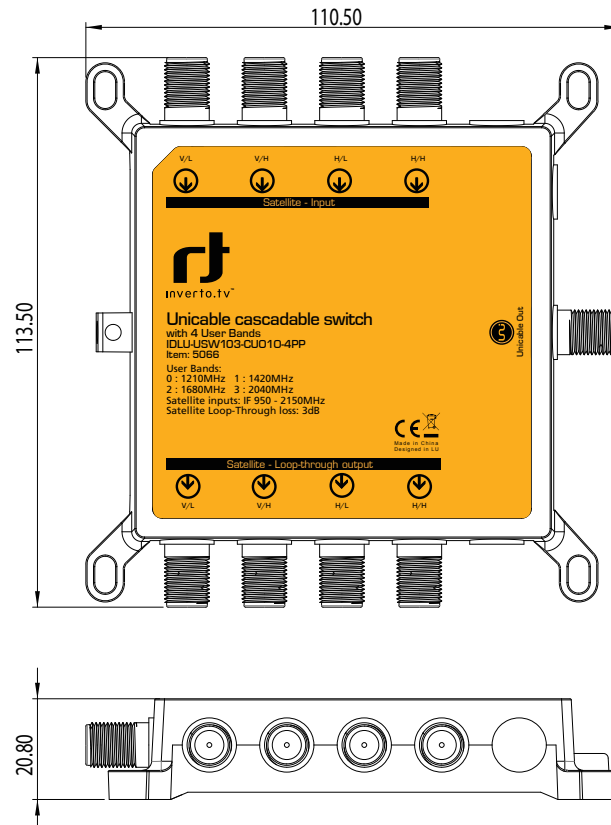
The IDLU-USW103-CUO10-4PP is a small form factor Unicable multiswitch enabling installations with up to 4 satellite receivers over a single cable.

Providing full flexibility and supporting various installation scenarios, the multiswitch may be powered by any of the connected receivers directly or through an external AC/DC Power adapter and a Power Inserter - see supported installations diagram below.

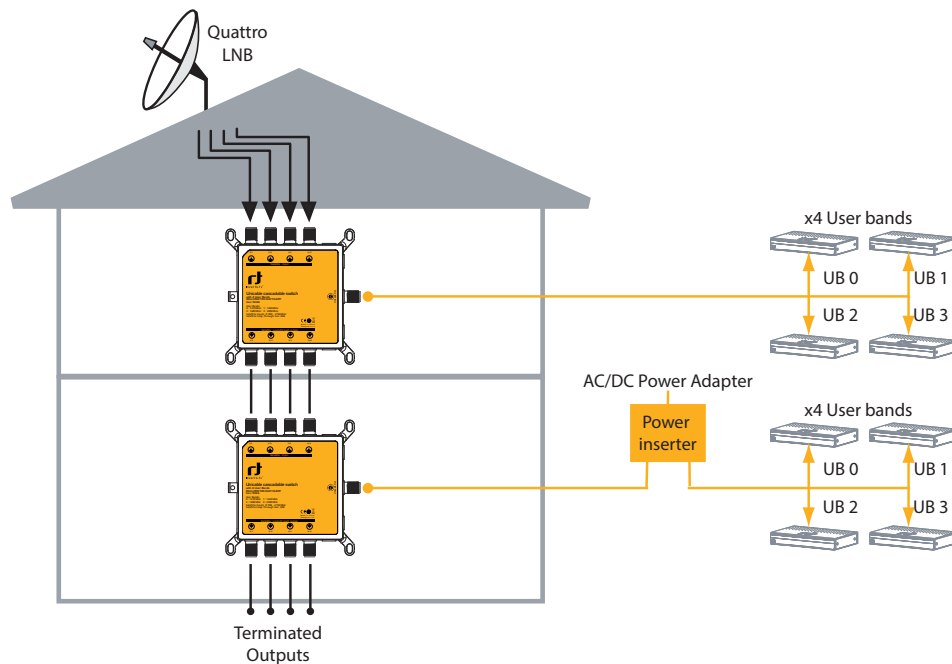
The multiswitch receives (and cascades) four satellite IF bands (L/V, L/H, H/V and H/H)

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.



4 User Band Unicable multiswitch Connection Diagram



For long cable installations, it is recommended to use the supplied Power Inserter and the AC/DC adapter in order to ensure proper and stable input voltage level.

Supplied accessories:
Power inserter
External AC/DC power adapter

Technical Specifications

Inputs	4 x Satellite IF Inputs from Quattro LNB
Outputs	4 x Loopthrough Satellite IF Output 1x Unicable Output for up to 4 receivers
Control Protocol	DiSEqC Extension Commands per EN50494
Input Frequency Ranges: Satellite	950 ~ 2150 MHz
Loop-Through Loss Satellite	- 3 dB Max.
Conversion Gain: Unicable Output	+ 10 ~ + 20 dB
Output Signal Level (AGC controlled)	93 dB μ V
Input Power Range	- 45 ~ - 15 dBm
User Band (Channel) Bandwidth	40 MHz
User Band (Channel) Gain Ripple	3 dB Max.
User Band Frequencies (Channels)	CH 0 : 1210.00 MHz CH 1 : 1420.00 MHz CH 2 : 1680.00 MHz CH 3 : 2040.00 MHz
RF Isolation:	
Satellite/Satellite IF	28 dB Min.
Satellite Channel/Channel (User Bands)	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 @10 MHz: - 127 Max. dBc/Hz
Integrated Phase Noise	1.5 Degrees Max.
Input / Output VSWR	2.5 : 1
Input / Output Impedance	75 Ω
Input / Output Connector	F-Type
LNB Input	V/L=>13 V /0 K , V /H=>13 V /22 K (V) H/L=>18 V /0 K , H/H=>18 V /22 K (H)
LNB Current Consumption	400 mA @ 13 ~ 18 V
DC Current Consumption	225 mA Max. @ 20 V (F-Type)
Operating Temperature	- 20 ~ + 60 °C
Dimensions	113.50 x 110.50 x 22.80 (H x W x D) mm

For purpose of brevity, some product descriptions in this sheet remain at platform level and may not be referred to as detailed datasheets of the products. Inverto Digital Labs reserves the right to amend, omit or add products, product-lines, and / or features without notice. As product specifications may change without notice, always contact Inverto to obtain the latest product specification sheets.

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