



ISO 9001 certified



ARDQ-L70

L-Band/70MHz

Quad Down-Converter

Features:

- ***Down-converts L-Band (950 – 1750 MHz) to 70 MHz (140 MHz available)***
- ***Phase-locked local oscillator to internal 10 MHz reference source***
- ***Front Panel display of status and control functions***
- ***Remote Monitor & Control via serial interface (RS485)***
- ***1:12 redundant switching operation (with an Advantech 1:12 switching controller)***
- ***Compact rackmount package***
- ***CE marking***

The L-Band to 70 MHz Quad Converter consists of a single 19" wide, 1 RU shelf assembly. The unit contains four Down-converters from L-Band to 70 MHz, power supply, reference oscillator, monitoring and control to manage the converters.

The down-converter receives L-Band signals from an LNB or transceiver and converts them to 70 MHz for input to a 70 MHz demodulator. All necessary power and reference signals are provided by internal sources.

The enclosure is a compact 1 RU shelf of light but robust construction which houses the power supply, monitor and control and reference source.

The built-in monitoring and control subsystem allows readings of critical parameters and alarm signals to be retrieved from the down-converters. These may be used to activate front panel indicators or to be sent through a serial interface for remote controls. An internal reference signal (10 MHz) is built into the unit to lock the PLL oscillators of the down converters.

The front panel has an alphanumeric display, with LED indicators and 6 pushbuttons for interrogation, command and control operations. Control over the down-converters may be exercised from the front panel or extended remotely to a PC via the serial interface plug at the back of the shelf.

With the Advantech's 1: N (up to 12 now) switching controller, down-converters can easily be configured to 1: N redundant operation .

Ordering information:

Quad Down Converter L-Band to 70 MHz	ARDQ-L70
Quad Down-Converter L-Band to 140 MHz	ARDQ-L140

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