

hyperMux-16 UHF RFID Multiplexer

Art. no.:
22000361



- Worldwide use
- Lower system costs
- Robust housing

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If you need to connect 16 more antennas to your UHF reader, there is the hyperMux-16 for the UHF frequency range (868/915 MHz). The device uses 24V optically isolated IOs which are used by most PLCs as well as most UHF RFID readers to control digital inputs and outputs. This makes the integration of the multiplexer into industrial applications even easier. To give the user enough feedback during the installation of the product it has four LEDs to indicate the antenna port is currently active. The multiplexer is available in a wall-mountable aluminum housing with an optional DIN-rail mount.

The advantages of the multiplexer are the same as with its HF counterparts: Easy installation, reduced costs, and small space requirements. The compatibility of the multiplexer has been tested with a large number of UHF readers from different manufacturers. If you are interested in the result for your reader, just ask our support team.

A specialty of the hyperMux is its extended frequency range which enables it not only to be used in UHF systems worldwide but even switch signals at 2.4 GHz. As of today, it is already compatible with future RFID systems working at higher frequencies making it truly future-proof.

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Technical Specification

Operating Principle	1 to 16 UHF RFID Multiplexer
Operating Frequency	868/915 MHz and 2.4 GHz
Antenna Connector	SMA
Insertion Loss	0.9 dB @ 900 MHz
Operating Voltage	24V DC
Power Consumption	20mA typ.
Switching Time	1 μ s typ.
Inputs/Outputs	4 optically isolated 24V DC inputs
Temperature Range	-40Â° C to +85Â° C
Dimensions	190 x 104 x 39 mm / 7.5 x 4 x 1.6 inch

About Metratec

Metratec develops, produces and sells Radio electronics for the areas of "Identification", "Localization", and "Communication" and thus serves a variety of markets with standard products as well special solutions. Customers include OEM customers, system integrators and research facilities worldwide.

