



# USDM-450WW# UHF SURFACE DATA MODULE

- Data Connection Over Leaky Feeder
- Connects to UHF Basestation RF Distribution
- DC Input Voltage (12-14 Vdc)
- Ethernet Connectivity
- Dedicated RF Channel

## FEATURES

Becker Mining Systems smartcom® 450 Surface Data Module (USDm) interfaces with the Leaky Feeder Basestation to provide communications with the smartcom® 450 In-Line Data Module units (UIDM) along the LF network. The USDm-450WW# is configured to communicate with the UIDM-450WW# In-line Data Module.

Serial data rates from 2400-115200 are supported. Connections are made to the server via Ethernet and to the LF through the RF distribution already in place for the voice network.

2 year component & workmanship warranty.

## TECHNICAL DATA

PERFORMANCE SPECIFICATIONS	
Impedance	50Ω
Input Voltage	12-14 Vdc
Current Consumption	335 mA @ 12 V
Output RF Power	0 dBm ± 1dB
Downstream Freq	475.125 MHz (default)
Upstream Freq	450.125 MHz (default)
Interface	Ethernet (converted from RS485)
Ethernet	10/100 Mbps, auto MDI/MDIX
Serial Data Rate	115200 (default, 2400-115200 factory configured)
Parity	None (default)

MECHANICAL DATA	
Enclosure	2U 19" Rack Mount
Dimensions (H x W x D)	260 x 87 x 156 mm (3.5 x 19 x 12 in)
Weight (nominal)	5.2kg (11.5 lbs)
RF Connectors	BNC Jack
Ethernet	RJ45

ENVIRONMENTAL DATA	
Temperature Range	0 to +55° C (32 to +131° F)

Technical data are limit values.

If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.

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