becker®
MINING SYSTEMS

FTU-HUB-UHF-X-X
RF-OVER-FIBER
UHF PRIMARY HUB

- Reliable and Easy to Implement
- Includes Duplexer
- Wide Frequency Band
- Web GUI
- Single Mode Fiber Connectivity

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FTU-HUB-RNG-X-X
RF-OVER-FIBER UHF PRIMARY HUB

FEATURES

Becker Mining Systems' RF-over-Fiber (RFoF) technology offers a new and flexible way to distribute all radio frequency communication.

The FTU-HUB-UHF-x-x RF-over-Fiber UHF Primary Hub, in conjunction with the RF Service Module and the Fiber Module, converts RF signals to optical, and connects via single mode fiber (SMF) to either Remote Units or Secondary Hubs.

The Primary Hub also provides Web GUI for DAS configuration, and GUI/ SNMP for status monitoring.

The FTU-HUB-UHF-x-x is a wideband unit capable of supporting a wide range of frequencies and technologies in any combination.

Becker Mining Systems' offers a broad range of RF-over-Fiber products to fit most wireless applications. The FTU-HUB-UHF-x-x is designed to offer a reliable and easy to implement RF over fiber solution.

TECHNICAL DATA

PERFORMANCE SPECIFICATIONS	
Input Voltage	110/230 Vac, 50/60Hz
Power Consumption	80 W (max.)
Connections	1x Ethernet (10/100 BASE-T) 2x Alarm Relay (DE-9F) 2x USB 1x RS232 (DE-9M)
Duplexer Band Pass	Downlink: 450-455 MHz (default) Uplink: 475-480 MHz (default)
RF Service Module	
Max. Number per Primary Hub	4
RF Input Power	Min: -5 dBm Max: +15 dBm
VSWR	1.5
Connections	RX: N-Type Female TX: N-Type Female
Dimensions (L x H x W)	123 x 116 x 31 mm (4.8 x 4.6 x 1.2 in)
Weight (nominal)	0.3 kg (0.7 lbs)
Optical Module	
Max. Number per Primary Hub	8
Optical Loss per Link	Up to 5 dBo
Optical Transmit Power	Min: +4.5 mW Max: -10 mW
Optical Receive Power	10 mW (max)
Return Loss	Better than 45 dB
Ethernet Bandpass	6.4 MHz (max)
Connections	SC-APC Duplex
Dimensions (L x H x W)	117 x 116 x 31 mm (4.6 x 4.6 x 1.2 in)
Weight (nominal)	0.28 kg (0.6 lbs)

MECHANICAL DATA	
Dimensions (L x H x W)	444 x 132 x 430 mm (17.5 x 5.2 x 17.1 in)
Weight (nominal)	15.1 kg (33.3 lbs)

ENVIRONMENTAL DATA	
Temperature Range	-5 to +45° C (23 to +113° 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.

Rev. A

becker® MINING SYSTEMS

becker VARIS SMART MINING SOLUTIONS

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