

REPEATER CONTROLLER DATASHEET

IFZ repeater controller is a radio transceiver operation monitoring. This device can provide a radio health and RF transmission activity to user or engineer to see a radio site status via IP network for maintenance purpose.

FEATURE

- High isolation RF directional coupler
- Up to 1000W RF measurement
- Logarithm detector for accuracy measurement
- Transceiver status reader
- Touch screen LCD for local operation
- Internal precise RTC with NTP synchronization
- Web base remote control for monitor or configuration
- Built-in data logger for one year operation
- Linux operation system for reliable operation
- SNMP and Web socket for realtime monitoring
- CNC machine enclosure for RF immunity
- ARM 64bit quad core hardware platform



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SPECIFICATION

DC operation voltage	12 - 35 VDC
RF Directivity	50 dB
Frequency operation	100 - 500 MHz
Transceiver modulation	NFM/AM/DMR/D-STAR/NXDN/P25
Maximum RF power	1000 Watt
Directional coupler interface	RF/CAN bus
Transceiver interface	UART/RS232/LAN
Directional coupler connection	Max 4 sensor
Transceiver connection	4 radio
Ethernet connection	10/100
Local Display	IPS 7" capacitive touchscreen
RF Connection	N-Type
Transceiver information	PLL/Temp/RSSI/Voltage/Freq
Transmission information	Forward/Reward/VSWR
Alarm notification	Email/LINE app
Ethernet Connection	RJ45 10/100
Mechanical Dimension	3U Racks

