



JTD- FM Fiber Link -I6 Re-broadcast Head End platforms is a signal processing platform with high integration, high reliability, and multiple types of signal processing that can be mixed and matched, developed for the needs of tunnel broadcast coverage. The whole adopts plug-in, modular design, and adopts dual power redundancy backup. Using CortexA9 high-performance processor as the core control platform, according to different tunnel front-end signal processing methods and number of channels, flexibly configure service boards with different functions, plug and play, and meet customer project requirements flexibly and reliably.

The equipment is a 3U all-aluminum card-type chassis, which is shielded and dust-proof, and is suitable for installation and use in various tunnel environments. The front panel of the device is equipped with a 7-inch touch LCD screen to display the running status of the device and each board. The equipment has abundant network management interfaces, which is convenient for on-site configuration and remote management.

General Specifications

Frequency Range	87- 108 MHz	
Antenna connection	75 Ohm x 2	
Number of re-broadcast module	2 independent modules	
Number of re-broadcast channel (each module)	16 channel selective	
RDS rebroadcast	Pass-through	
Frequency resolution	0.1 MHz	
Remote connection	TCP/IP	
Break in source and interface	Analog stereo	
	AES	
	TCP/IP	PCM
RF Output Connector	SMA-Female	
RF Optical Output	0dBm, FC/APC	
Working Temperature	-25°C to +55°C	
Relative Humidity	5- 95% RH	
Power Supply	90-246 VAC (Dual power modules)	
Power Consumption	≤ 100 Watt	
Dimensions	485mm X 360mm X 150mm	
Weight	≤ 6kg	



FM optical fiber repeater **JTD- FM Fiber Link -20**, is a 20W multi-frequency FM optical fiber repeater. It is suitable for FM coverage in tunnels and closed-space signal blind areas. The FM fiber repeater receives the RF signal from the optical signal transmitted by the front end, and outputs the multi-frequency RF power signal through the automatic gain controller, the pre-stage power amplifier, the final-stage power amplifier and the filter, and sends it to the leaky cable or antenna. The equipment has a variety of remote monitoring methods, adopts an integrated aluminum alloy structure design, and is wall-mounted with high protection level of IP65 and passive heat dissipation

General Specifications

Frequency Range	87- 108 MHz
RF Output Power	20 Watt
Optical input interface	FC/APC
Optical input range	-12 to 4 dBm
Gain control	0 to 30 dB
In band ripple	± 1dB
Remote connection	TCP/IP
Working Temperature	-40°C to +60°C
Relative Humidity	5- 95% RH
Power Supply	90-246 VAC
Power Consumption	≤ 100 Watt
Dimensions	450mm X 315mm X 180mm
Weight	≤20kg