

Key Features and Benefits



Simply All in One

Small, light weight, and convenient installation, the TX Broadband Repeater Series is Coiler's unique offering for rapid mobile coverage extension. With optimized safety features, the TX Series also offers full mobile network protection.

The TX-824 has been designed specifically to extend mobile coverage in a variety of smaller indoor environments such as homes and offices up to 3,000 sq feet or 250 sq meters of empty space.

Artistic and stylish, the TX-824 is the ideal solution for operators and mobile users seeking a quick and cost-effective coverage solution for their GSM/CDMA850 networks.

Instant System Extension

Combines a gain of up to 55dB with UL/DL output power of +7dBm to effectively cover a variety of smaller indoor areas.

Broadband Coverage

Amplifies all RF signal within the band, enabling complete access to services of ALL operators.

Complete Network Safety

Functions such as Auto Isolation Detection (AID), Auto Shutdown (ASD) and Auto Turn-on (ATO) ensure that the repeater is optimally positioned and safe guarded at all times. Function protects the network from oscillation and interference. Ensures that spikes in output power will not damage the system or interfere with base stations.

Integrated Keypad and Digital Display

For user convenience, includes a digital LED display providing feedback on gain. Also provides access to manual gain attenuation which enables flexible adoption to various mobile environments.



Embedded Service Antenna

An embedded service antenna is designed to enhance efficient service, while eliminating the need for additional cable installation.

Complete "Ready to Install" Package

Comes as one box solution with everything necessary for simple, plug-and-play installation. Stylish and a compact design will compliment the decor of any home or office.



	iDEN	850	GSM	DCS	1900	UMTS
SOHO		TX-824 7dBm 55dB	TX-900 7dBm 55dB	TX-1800 7dBm 50dB	TX-1900 7dBm 50dB	TX-2200 7dBm 55dB
Pico			TG-900 10dBm 55dB			
Mini	TG-806 27dBm 60dB	TG-824 27dBm 60dB	TG-900 27dBm 60dB	TG-1800 25dBm 60dB	TG-1900 25dBm 60dB	

Coiler TX Broadband Repeater Series

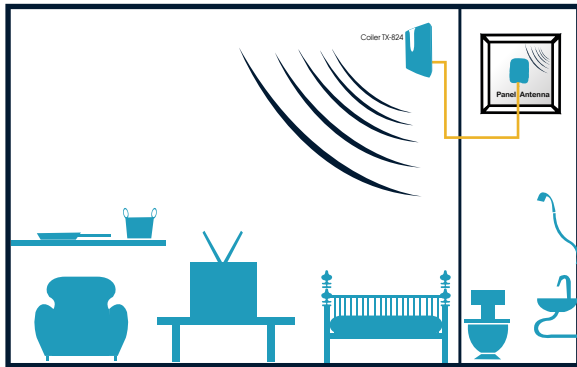


Coiler Corporation offers an extensive portfolio of customizable indoor repeaters for RF signal enhancement. Our products allow mobile network carriers to quickly and cost-effectively address in-building coverage considerations and improve reception in iDEN, CDMA, GSM, DCS, PCS, UMTS and WiMAX networks. Some global operators such as Telefonica, Vodafone, Smartone, Peoples, AIS, Singtel, TMN and others have trusted our experience and expertise.



An ISO 9001 Certified Company

Sample Installation



Specifications

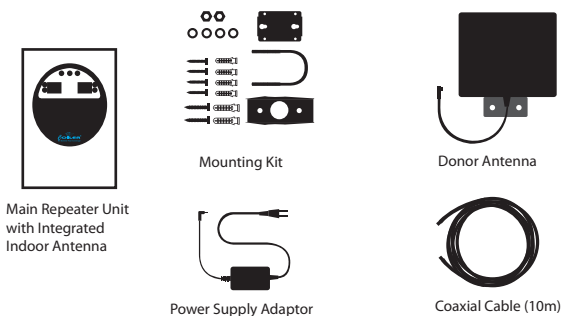
Electrical:

Frequency Range	Uplink: 824 ~ 849MHz Downlink: 869 ~ 894MHz
Bandwidth	25MHz
Gain (UL/DL)	55dB
Gain Adjustment (UL/DL)	40 ~ 55dB (in 1dB steps)
Gain Flatness	± 2.5dB
Total Output Power (UL/DL)	+ 7dBm
Max. I/P Without Damage	≥ +10dBm
Spurious	≤ -36dBm (9kHz ~ 1GHz) ≤ -30dBm (1GHz ~ 12.75GHz)
Return Loss	≤ -12dB
Group Delay	≤ 1μs
Noise Figure @ Full Gain	≤ 7dB
Power Consumption	19.8W
System Impedance	50Ω
Power Requirements	100 ~ 240V AC / 50 ~ 60Hz

Mechanical & Environmental:

Weight	Approx. 0.8 kg
Dimensions	115 x 170 x 45mm
Operating Temperature	+5°C ~ +50°C
RF Connector Type	SMA Female (1 x BTS)
Local Alarm Indication	LED: UL/DL AID

Package Contents



Certifications and Compliance

CE
WEEE
RoHS
FCC



www.coiler.com.tw

TX-824 ver 2.0 (May.26.2010 - Standard) - All data subject to change without prior notice