



# DataRoute voice Wireless Router

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The TelecomFM DataRoute voice provides an all-in-one wireless solution for voice and high speed data.

Connection to the internet is provided via either the built-in 3G HSPA wireless module (offering speeds of up to 7.2Mbps downstream and 5.76Mbps upstream) or the built-in ADSL2+ modem. The 3G module can be used as an automatic failover when the ADSL connection is unavailable.

High quality voice is available by connection to a standard analogue POTS phone or to the trunk port of a PBX and calls may be made via the UMTS/GSM network or by using VoIP (SIP) via either of the data connections.

PC's and other networked devices can be connected via the 4 Ethernet ports and by utilising the built-in 802.11n Wi-Fi access point which offers bandwidth of up to 300Mbps.

Dealer's Stamp

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# DataRoute voice Technical Specification



## Wireless Module

Module	Huawei EM770W
Bands	UMTS 850 / 1900 / 2100 MHz GSM 850 / 900 / 1800 / 1900 MHz
Transmit Power	Class 3 (0.25W) for UMTS Class E2 for EDGE Class 4 (2W) for GSM 850 / 900 MHz Class 1 (1W) for GSM 1800 / 1900 MHz
Max. Data Rates	HSDPA 7.2Mbps HSUPA 5.76Mbps UMTS 384kbps EDGE 237kbps GPRS 85.6kbps

## Wi-Fi Access Point

Compliance	IEEE 802.11 b/g/n
Security	WEP 64/124/256 bits WPA / WPA2
RF power	20dBm
Transmit Power	802.11b: 16+/-1.5dBm 802.11g: 14+/-1.5dBm 802.11n: HT20 16+/-1.5dBm; HT40 14+/-1.5dBm
Antenna	2T2R MIMO mode (2 transmitter, 2 receiver) External antenna with 2dBi gain Internal antenna with 4dBi gain

## Ethernet Interface

Compliance	IEEE 802.3
Ports	4 x 10/100M Auto MDI-X

## DSL Standards

ANSI T1.413 issue 2 compliant  
ITU-T G.992.1 (G.DMT) compliant  
ITU-T G.992 (G.lite) compliant  
ITU-T G.992.3/4 (ADSL2) compliant  
ITU-T G.992.5 (ADSL2+) along with Annex A and M

## Features Overview

Built-in 3G HSDPA / HSUPA Wireless Module  
802.11n Wi-Fi Access Point  
ADSL2/2+ Modem  
Automatic failover from ADSL to 3G  
Supports TR-069 Remote Management  
DHCP Server  
Firewall with SPI (Stateful Packet Inspection)  
VPN Support  
Port Forwarding (Supports DMZ)  
Web based management  
QoS

## Physical Specification

Height	145 mm
Width	170 mm
Depth	35 mm

## Environmental

Power Supply	100 ~ 240V 50/60Hz
Operating Temp	0 ~ 50°C
Storage Temp	-40 ~ 85°C

For further information on this and other TelecomFM products and services, please contact TelecomFM

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