

MiWire RouDem is an innovative solution using an automatic turning directional antenna. You can now get an internet connection, via the mobile network, that is up to 10 times faster than the connection you get with a mobile phone or traditional mobile modem.

Ideally installed outdoors and as high as possible to achieve an optimal internet signal. MiWire RouDem uses the mobile 3G/4G/LTE-A mobile network and can run on any telco network. MiWire provide a client Back End for remote surveillance on request.

MiWire Roudem Cat. 4 - GLOBAL

Specifications

Dimension (ØxH1/H2)	Diameter Ø335mm Height without bracket 80mm Height with bracket 160mm
Weight	1.8 kg without bracket 2.1 kg with bracket
Variant for GLOBAL	
4G-LTE	CAT 4, 2x2 MIMO
4G-LTE Max. Speed	FDD: Max 150Mbps (DL)/Max 50Mbps (UL) TDD: Max 130Mbps (DL)/Max 35Mbps (UL)
3G-WCDMA Max. Speed	DC-HSDPA: Max 42Mbps (DL) HSUPA: Max 5.76Mbps (UL)
4G-LTE Bands	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 LTE-TDD: B38/B39/B40/B41
3G-WCDMA Bands	B1/B2/B4/B5/B6/B8/B19 2x2 MIMO
Output Power	Class 3 (23dBm±2dB) for LTE
User interfaces	Power button with LED, Multi color LED (direction of antenna), MiWire web interface
Language	English
Approvals	CE

Interfaces

1 x LAN interface

- Connector type	RJ-45
- Data Rate	10/100 Mbps
- Max cable length	100m /328ft (Cat5 UTP)

1 x Micro SIM-Card slot

WLAN Access Point

Standard	802.11 b/g/n 2.4GHz, 2x2MIMO, Automatic Channel Selection, AP Hotspot
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Frequencies	2400.0-2485.0 MHz
Max. Coverage outdoor	300m / 984ft
Max. Datarate	300Mbps

Environmental conditions

Temperature	Operational: -20°C ~ 80°C; Storage: -40°C ~ 85°C
Relative Humidity	10% ~ 95% (non-condensing)
Robustness	0.5m/1.64 ft drop on concrete
Water and dust	IP-56 (dust and spray proof)

Power

DC input range	Passive POE 22-48V, Max 500mA
Power consumption	
Stand-by/transmit mode	Typ. 4/6W
During charging	Max 19W

AC/DC power supply

Input	100-240VAC, 47-63Hz, 24W
Output	48VDC, 500mA
Connector type	RJ-45
Battery	Lithium ion, rechargeable
Operational time	8 hours
Min. number of charges	300
Recharge time	4 hours 30 min
Charge temperature	11 to +45C

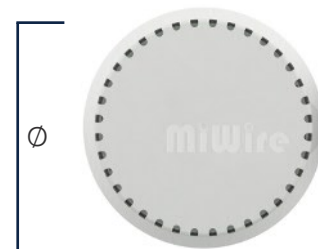
Other Features

Port Forwarding	DNAT Redirect and Virtual Server
Routing	Static/Dynamic
Data Logging	Signal strength, bytes sent and received, error messages, hardware info messages, speedtests
DHCP	Up to 50 users
Firewall	UNIX based firewall with iptables and rule configuration
Access Control	MAC Black/Whitelist, Password authentication
Cellular Toolkit	Data Usage, Signal Usage, SIM PIN, Network Scan, Network Discovery, status
Configuration & Management System Operation	Web, SSH, Serial connection, SCP MMI, System Information, WiFi, Network, SIM, Compass & Map, Admin with firmware upgrade, Reboot & Get latest software
Diagnostic	Remote diagnostic tools

Package content:

MiWire RouDem Cat. 4
Mounting bracket incl. torx and unbraco keys and screws
Bottom protection plate
Passiv POE adaptor
10 m ethernet cable
Quick start guide

Certification



(1) Approval / Certificate CE
(2) Standards & Regulation
Radio: EN 301 489-1
V2.1.1(2017-02)
EN 301 489-17 V3.1.1.1
Draft EN 301 489-52 V1.1.0
Safety: EN 62368-1:2014
(second Edition)

