

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.

## Specifications

<b>Dimension (ØxH1/H2)</b>	Diameter Ø335mm Height without bracket 80mm Height with bracket 160mm
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<b>Weight</b>	1.8 kg without bracket 2.1 kg with bracket
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### Variant for EMEA, Australia, Brazil Services

4G-LTE	CAT 6, 2xCA, 2x2 MIMO, VoLTE
4G-LTE Max. Speed	FDD: Max 300Mbps (DL)/ Max 50Mbps (UL) TDD: Max 226Mbps (DL)/Max 28Mbps (UL)
3G-WCDMA Max. Speed	DC-HSDPA: Max 42Mbps (DL) HSUPA: Max 5.76Mbps (UL)
4G-LTE Bands	LTE-FDD: B1/B3/B5/B7/B8/B20/ B28/B32, LTE-TDD: B38/B40/B41
3G-WCDMA Bands	B1/B3/B5/B8 2x2 MIMO, VoLTE,

<b>Output Power</b>	Class 3 (23dBm±2dB) for LTE
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User interfaces	Power button with LED, Multi color LED (direction of antenna), MiWire web interface
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Language	English
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Approvals	CE
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## 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
Frequencies	2400.0-2485.0 MHz
Max. Coverage outdoor	300m / 984ft
Max. Datarate	300Mbps

## Environmental conditions

Temperature	Operational: -20°C ~ 80°C; Stor- age: -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

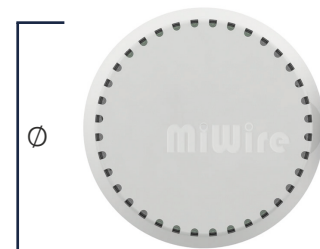
## Other Features

Port Forwarding	DNAT Redirect and Virtual Server
Routing	Static/Dynamic
Data Logging	Signal strength, bytes sent and re- ceived, 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. 6  
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 & Regu-  
lation  
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)

