



RSU Wifi-11p Mk2

Make your roads cooperative

The Dynniq hybrid Roadside Unit (RSU) Wifi-11p Mk2 is the most compact G5 router in the market. It is very fast and easy to install or replace due to its mounting construction.

It has an integrated antenna, which makes it less vulnerable during installation and use. The internal antenna also strongly preserves signal quality.

The Mk2 router has a power ARM Quad Core cpu that gives you the opportunity to run powerful applications on the router itself. The optional LDM Kit (Local Dynamic Map) makes life easy to create your own applications.

The hardware security module offers fast encryption to be able to handle a substantial load of vehicle messages.

The system can be supplied with a 3G modem or on request a 4G/LTE modem.



Technical specification RSU Wifi-11p

Communication (internal antenna)

G5 modem interface

- Transmit power: +23 dBm max.

- Receive sensitivity: -97 dBm

GNSS receiver (internal antenna)

3G modem interface (internal antenna)

100 Mb Ethernet

IEEE 802.11p

ETSI ES 202 663

Mechanical (including installation bracket)

Weight: 2880 gram

Dimensions: 95x340x210 mm

Supporting easy installation at a pole by means of bandits

Environmental

Operating Temperature: -25 to +55 °C

Operating Humidity: 5 to 95 % RH

Protection Rating: IP66

Vibration resistant: IEC 60068-2-64 Test Fh

Power

Range: 41 to 58 VDC

Max. 11 W

Options supported:

- PoE 802.3af/at

- Power over RJ45 spare wires

Safety

Secure software design

Hardware Security Module securing private keys

Galvanically isolated PoE injector (optional)

Compliant with IEC 60950

Software

BSP version 1.0.4 or higher

LDM (optional): version r48645 or higher

Certification

Emission/immunity: EN 50293

Emission: EN 61000-6-3 + A1

Immunity: EN 61000-6-2 + AC

Emission/immunity: EN 301 489-1 V1.9.2, EN 301 489-3 V1.4.1

Housing

Polyethylene (PE)

Colour housing: RAL 7035 (light grey)

Colour bracket: RAL 7043 (dark grey)

QHSE

ISO 14001

ISO 9001

RoHS

Configurations on request

RSU Wifi-11p Mk2 9586 119 00050

RSU Wifi-11p/3G Mk2 9586 119 00060

Options

RSR Cableset 3522 708 52420

PoE industrial injector 802.3af/at 3522 704 73630

Distribution box IP66 10P 3522 704 73370

LDM Kit software license for RSU 3522 839 29021



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Crown
Commercial
Service
Supplier

Dynniq UK Ltd

Hazelwood House, Lime Tree Way,
Basingstoke, Hampshire
RG24 8WZ
United Kingdom

T +44 (0)1256 891 800
E marketing@dynniq.co.uk
www.dynniq.co.uk