



FUSION 210 WIRELESS LOCAL LOOP

FUSION 210 – CONNECTIVITY FOR YOU

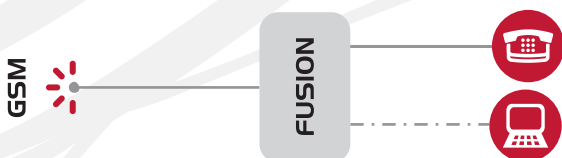
Psitek – South Africa's premier supplier of least-cost routers – is pleased to introduce the latest addition to the Fusion family, the Fusion 210. Whereas its predecessors were predominantly least-cost routers, the Fusion 210 focuses on providing connectivity. Ideal for areas where fixed line infrastructure is unreliable or non-existent, the Fusion 210 provides dependable access to voice and data.

This state-of-the-art device provides immediate voice and data access via a GSM interface, eliminating the need for a fixed line. Custom-designed for a SOHO (small office/home office) environment or residential home, the Fusion 210 rises to the occasion and lives up to the reputation enjoyed by the Fusion range: affordability, robustness, quality and, of course, 100% appropriateness.

CALL-BACK FEATURE

The call-back feature is an impressive hallmark of the Fusion 210. A range of call-back numbers can be pre-defined in a call routing table. When any of these numbers call into the Fusion 210, the Fusion recognises the number and immediately terminates the call. It then returns the call to the number that dialled in. This is particularly advantageous in homes where family members call home frequently. Acting as a 'please call me', their call is immediately disconnected and then returned, saving on external phone call costs.

DEPLOYMENT



SLEEK, USER-FRIENDLY DESIGN

The Fusion 210 can be programmed easily using the configuration tool. The Fusion 210 also makes use of a standard 12V DC power supply that is easily obtainable from Psitek and other sources. The quick-reference LEDs reflect the status of the Fusion 210, colour-coded for easy monitoring at a glance. Keeping up with market trends, the unit has a USB port. What's more, the sleek design of the unit incorporates a 'push-to-eject' SIM card holder.



COMPREHENSIVE AFTER-SALES SUPPORT

Support plays an important role in Psitek's solution offering. All Psitek customers enjoy the benefit of a comprehensive one year warranty, as well as thorough after-sales support - wherever they are based. With the accredited Three Squares Service Centres located around the globe, customers always have access to fast, convenient and reliable in-country support. Psitek-accredited Three Squares Service Centres are qualified to repair Fusion 210 units on Psitek's behalf, whether or not the unit is under warranty. Fusion 210 owners can also rely on knowledgeable support centre agents to help them with any queries they may have.

TECHNICAL SPECIFICATIONS

Power Requirements

| | |
|-----------------------------|--|
| DC Input Voltage Range | 10V to 16V DC |
| DC Input Protection | Reverse polarity, over voltage and over-current |
| DC Input Connector | 2.1mm barrel DC jack |
| Power Consumption at 12V DC | GSM call active: 260mA (PCL level 5) Standby current: 100mA Provided via earthed PSU or dedicated earth terminal |
| Product Earthing | |

Environmental Specification

| | |
|-----------------------|---|
| Operating Temperature | 0°C to 50°C |
| Humidity | Maximum RH 95% at 35°C (non condensing) |
| Storage Temperature | -20°C to 60°C |

Mechanical Specification

| | |
|------------------------|---|
| Dimensions (L x W x H) | 200mm (L) x 79mm (W) x 30mm (H) |
| Weight | 200g (excluding PSU and packaging) |
| Material | Aluminium extrusion with plastic end-plates |
| LED Indicators | Status, GSM, Phone |

GSM Specification

| | | |
|---------------------|-------------------------------------|------------------|
| GSM Output | 850MHz | Class 4, 2W GSM |
| | 900MHz | Class 4, 2W EGSM |
| | 1800MHz | Class 1, 1W DCS |
| | 1900MHz | Class 1, 1W PCS |
| SIM Interface | 1.8V or 3V mini SIM | |
| Antenna Termination | SMA | |
| Antenna Type | 2dBi omnidirectional stubby antenna | |

Phone (POTS / FXS) interface

| | |
|---------------------------|--|
| Line Connector | Standard RJ11 |
| Line Protection | Secondary over-voltage / over-current protection |
| Line Impedance | 600 Ω and CTR21 complex impedance supported |
| Line Feed | 48V on-hook, 22.3mA / 30mA off-hook |
| Line Length | 100m internal use only |
| Ringing Voltage | 50Vrms into 2 REN (trapezoidal) |
| Dial Detection | Tone (DTMF) |
| Dial Tone Generation | Programmable |
| Caller Line ID Generation | FSK between first and second ring (ETS 300 778, ETS 300 659) |

Data Interface

| | |
|-----------|------------------------------|
| Data Port | USB 2.0 with USB-B connector |
| GPRS | GPRS Class 10 |

Management Interfaces

| | |
|---------------------|---|
| Local Configuration | Windows configuration tool |
| Remote Management | Psitek Management Centre GPRS, SMS and CSD data bearers No calls, no network, status reports Remote firmware upgrade & configuration |

Psitek

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