

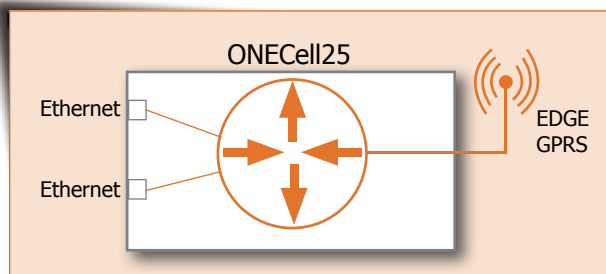
ONECell25

EDGE-GPRS ROUTER



The ONECell25 EDGE/GPRS router provides fast and secure access to the Internet and Virtual Private Networks (VPN) by means of an embedded EDGE/GPRS modem. Thanks to its 2 Ethernet interfaces, the ONECell25 is compatible with all routers and provides a peak throughput of 236.8 kbps.

THE BENEFITS OF AN EDGE INTERFACE ON A ROUTER



EDGE is one of the fastest growing mobile technologies and is delivering advanced data services and applications around the world.

EDGE, with a peak throughput of 236.8 kbps, offers an excellent alternative to connectivity through wired links such as analog modem lines or ISDN

EDGE/GPRS based services offer real value particularly when data is transferred at low rates.

ONECell 25 is the leading EDGE-based GPRS router available.

SUITABLE APPLICATIONS

• Broadband backup

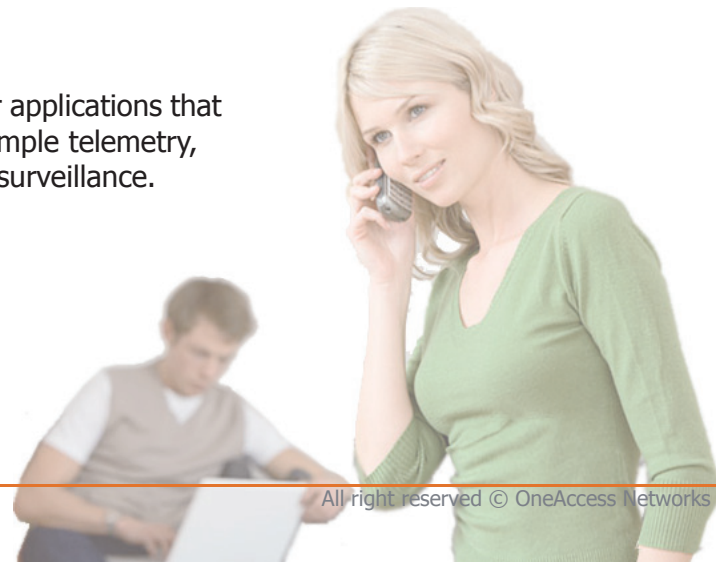
xDSL links are the preferred technology for data transmission. When xDSL fails however, a backup solution that uses **EDGE rather than ISDN is the more robust option** because EDGE and xDSL use different infrastructure and different wires.

• No wired access

In certain circumstances, it is simply not possible or economically viable to install a wired network connectivity solution. This is particularly true for mobile installations that are constantly on the move (for example truck fleets, cranes and mobile ATMs), or where line installation involves cost-prohibitive construction costs.

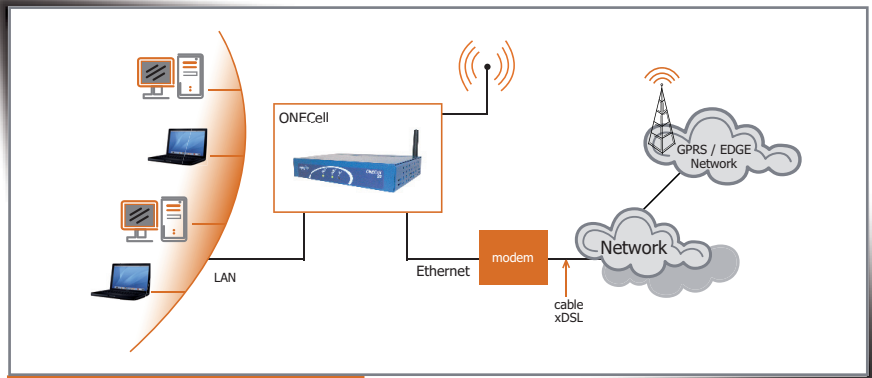
• Low-speed access applications

EDGE is the cheapest and most robust solution for applications that send data intermittently and at low rates, for example telemetry, transactional services, alarm reporting and video surveillance.





Rear View*



System Architecture

ONECELL25 SPECIFICATIONS

Product Architecture

- 2 Ethernet ports
- 1 console port (RJ-45, V.24)
- 1 internal SIM card holder
- SMA connector for EDGE/GPRS antenna (included)

EDGE/GPRS Characteristics

- Always-on connection or activation on-demand (based on interface/route surveillance)
- Radio frequency: 900/1,800 MHz
- GSM transmit power: class 1 and 4 (2 W for 900 Mhz, 1 W for 1,800 MHz)
- EGPRS transmit power: class E2 (0.5 W for 900 Mhz, 0.4 W for 1,800 MHz)
- EDGE/GPRS timeslot assignments: class B, multi-slot 10

Security

Firewall

- Standard and extended access lists
- Stateful packet inspection
- Session monitoring and limiting
- Configurable timers per port and application
- All firewall log messages can be buffered, viewed or sent to a syslog server

VLAN

- 802.1p Tagging
- Supports multiple VLAN ID per ports
- Configurable layer-two switching

IP Security

- Optional hardware-based encryption (DES, 3DES, AES)
- Software encryption: DES, 3DES, AES
- Tunnel mode with AH and ESP
- UDP-based encapsulation for NAT traversal
- IKE with pre-shared secret, symmetrical or client-server mode
- Perfect Forward Secrecy
- DNS server update protocol: DynDNS

IP Addressing & Routing

- Network address translation: static/dynamic NAT, NAT, selective NAT, twice NAT
- DHCP client, server, relay
- IP address helpers
- DNS proxy
- Routing protocols: RIP v1/v2, OSPF v2, BGP v4
- Policy-Based Routing
- VRRP
- Server load balancing
- Tunnel: IPSec, GRE, L2TP

IP Quality of Service

- Class-Based Queuing (CBQ), CB-WFQ on LAN/WAN interfaces
- Low Latency Queuing, fragmentation and interleaving
- Policing and remarking
- RED, WRED, ECN

Management

- Industry standard Command Line Interface (CLI)
- Web-based configurator (can be turned off)
- SNMP V1/V2C/V3
- Support of user privilege
- Upload/download of configuration and binaries via FTP/TFTP
- QoS measurement probe
- Traceroute, ping, extended ping
- User authentication via RADIUS or TACACS+
- RADIUS accounting
- Global statistics screens (console, web-based)
- Event and trace buffering
- Syslog client
- Flow capture and decoding

Mechanical

- Wall-mountable
- Metal housing: 102 x 152 x 26 mm
- Weight: 0.8 kg