ZyWAN G9

Robust cellular router providing connectivity for a comprehensive range of devices

APPLICATIONS

- Mobile and Fleet

- Field Force Automation

- Public Safety

- Point of Sale & Kiosks

- SCADA & Telemetry

- Wi-Fi Hotspot

Connect to 3G, CDMA and GSM/GPRS cellular networks with the secure and robust ZyWAN G9 cellular router. Targeted for fleets, public works and utilities applications, the rugged ZyWAN G9 offers a secure and robust connection to CDMA, EVDO, GSM/GPRS and 3G cellular networks. It provides real-time access to any Ethernet, 802.11 or serial device for mobile and fixed data applications.

The ZyWAN G9 operates as a fully configurable embedded Linux router enabling firewalling, DHCP, DNS and NAT. Also included is a GPS receiver providing both a sophisticated tracking program and NMEA data strings for mapping applications. To easily manage the ZyWAN G9, a WEB GUI interface presents a simple tool to quickly change settings locally or over-the-air. Each of the ZyWAN products is available in several customer ready application configurations.

For developers, the ZyWAN G9 comes ready for programming in Eurotech Embedded Linux, J2ME (IBMJ9), and OSGI (Eclipse) for faster development time and increased portability. With the support of the Eurotech Software Framework (ESF), the ZyWAN G9 is an Application Ready Platform enabling open source, custom, and existing software applications to run seamlessly.

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ZyWAN G9

Specifications*

PROCESSOR	520MHz Marvell PXA270 processor
GRAPHICS/VIDEO	Support for VGA and touchscreen (optional)
MEMORY	128MB of soldered SDRAM / 32MB Flash
OPERATING ENVIRONMENTS	Linux 2.6 Eurotech-optimized Kernel
COMMUNICATIONS/INTERFACES**	Cellular Connectivity via USB adapters: o 3G HSDPA/UMTS o 3G EVDO/CDMA GPS (Global Positioning System): o SMA connectors for cellular and GPS o RP-SMA for 802.11g Two RJ45 10/100BASE-T Ethernet ports One USB 1.1 ports Four serial ports o Three RS232 o One RS422/485 (selectable) One PC/104 I/O expansion bus Support for 802.11b via USB adapter
ROUTER FUNCTIONS	Virtual Private Network (VPN) Support: IPSec, OpenVPN, and VPNc DHCP Routing Firewalling Security AES,3DES, SSH, etc. NAT (Network Address Translation) Terminal server and client DNS client
PHYSICAL/OTHER	Dimensions: 238mm x 137mm x 65mm (W x L x H) Weight: 1.4 kg Humidity:5% to 95% RH (non-condensing) Panel mounting Temperature -20° to 60°C Power specifications: o Input power: 10 - 28V DC o Over and reverse voltage protection: 100V DC o Ignition sense input: 12V DC protected o Power: 8W Hardware watchdog with start up or software trigger Diagnostics: serial MMI or Telnet

**Contact Eurotech or go to www.eurotech-inc.com for a list supported USB wireless Adapters

*Specifications and features subject to change without notice
See our website for latest updates and more information
www.eurotech-inc.com

About Us

Eurotech delivers embedded computer systems for high capability and low power applications, networking and wearable computing solutions, and application framework middleware for multimedia, industrial, transportation, medical, and wireless applications. Eurotech platforms allow OEM and enterprise customers to focus on their core revenue-generating products and services and get to market quickly.

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