Stable and powerful Industrial 3G Ethernet Router

The Maestro 3G Industrial Router is designed to allow fast connectivity to the Internet, to back-end applications, or to other devices. Maestro 3G Industrial Router is a GPRS/EDGE/UMTS/HSPA+ wireless single port router for fast wireless IP connectivity. By using the 3GIR, it is possible to connect remote sites to a central site by using the built-in IP-IP tunneling feature. Devices can communicate across firewalls and handle bidirectional communications across a NAT barrier.

Configuration:
Configuration couldn’t be easier with the native web-based setup front-end.

Features:
- High Speed 21Mbps Connectivity
- DHCP, DNS, NTP, DNAT support
- IP-IP tunneling
- VPN client support
- SIM failover (dual sim card)
- Wide mains input range
- Optional battery back-up
- 20 LEDs for visual check

Comm Alive, the ultimate stability
Industrial devices are often in remote areas and difficult to service. Failures in communication often come from network lock-ups, loss of GPRS routing or network registration and unterminated data calls. Maestro Industrial provides intelligent reset functions, network reattachment and back up modes ensuring the best reliability in communication.
Technical Information

**GENERAL FEATURES**

- Multiband GSM 850/900/1800/1900 MHz
- Multiband W-CDMA 850/1900/2100 MHz
- GPRS class 12 / EDGE class 10
- 3G UMTS: Up to 384 Kbps/sec
- HSDPA: 2Mbps/sec Category 5
- HSUPA+ mode: Up to 21Mbps/sec downlink
- ETSC GSM Phase 2+ compliant
- LED Bar RSSI (Receive Signal Strength Indication)
- LED indication of Network Registration, Up / Down Data Traffic and network availability
- Din Rail Mountable
- Temperature range:
  - Operational: -20°C to +55°C (ETSI compliant)
  - Functional: -40°C to +85°C
- Storage: -40°C to +85°C
- Casing: metal
- Dimensions: 170x80x35
- Weight: 700g

**INTERFACES**

- Mains: 85VAC-264VAC / 120VDC-370VDC
- Data: RJ45 10Mbps/100Mbps Ethernet
- DC: 8VDC-30VDC input
- Antenna: Gold-plated SMA female

Maestro 3GIR features an embedded configuration tool for easy set-up and remote maintenance.

**INTEGRATED SERVER FUNCTIONS**

- DNS Proxy/ DHCP Server

**FIREWALL**

- NAT (Network Address Translation) for internal subnets
- Active connection tracking for UDP and TCP traffic
- NAT-ing of ICMP traffic

**IP PROTOCOL SUPPORT**

- Basic ICMP/TCP/UDP
- Supports IPComp compression transport
- PPM Client support, (eg. Checkpoint Firewall-1 VPN)
- DHCP Server configuration
- APN name and authentication
- Connection status /system log display
- Trouble-shooting page (ping)
- Static IP routing
- DNAT
- IP-IP Tunneling
- Network Preference selection

Always-on broadband connection to critical data applications:

Maestro 3GIR can be deployed and managed for a wide array of industrial and enterprise solutions as a main or redundant communication solution.

- Wireless networking
- Retail / Point-of-Sale
- Vending / Kiosks
- Multimedia
- Remote monitoring and control

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