

**IPn3Gb***Microhard Cellular Modem*

Rugged, intelligent, wireless data

Overview

The Microhard IPn3Gb Cellular Modem is a high-speed interface optimized for use on 3G/HSPA+ infrastructure where coverage is available. The modem is accessed through the Internet using TCP/IP communications protocol using a Dynamic or Static IP address.

The IPn3Gb offers two-way data exchange with a base station PC via the HSPA and Quad Band GSM networks, using 3G and/or EDGE or GPRS technology. The IPn3Gb modem is for use on the Bell, Telus, Rogers networks.

Benefits and Features

- › Fast, secure industrial strength wireless solution
- › Powerful, robust wireless communication of serial, USB, and Ethernet data
- › Wide operating temperature (-40°C to +85°C)
- › Flexible power saving modes
- › SMS and email data usage alerts

Technical Description

The Microhard IPn3Gb Cellular Modem is a rugged, intelligent wireless data platform designed to enable real-time, two-way communication with remote assets.

The IPn3Gb is a lower power industrial modem that carries many networking, security, management and data features.

The modem has its own embedded TCP server, which enables transmission of serial data from non-IP devices. The use of a firewall helps secure communications.

Specifications

Technology

- › 3G/HSPA+

Band

- › Six Band for UMTS/HSPA FDD Bands:
2100/1900/1700/900/850/800 MHz
- › Quad Band GSM: 1900/1800/900/850 MHz

Throughput

- › UMTS/HSPA: 5.76 Mbps uplink, 21.1 Mbps downlink
- › Ethernet: 10/100 BaseT, Auto-MDI/X. IEEE802.3, RJ-45
- › RS-232 Data Rates: 300 bps to 921 kbps

General

- › Input Voltage: 7 to 30 Vdc
- › Current Drain at 12 Vdc:
 - Idle - 70 mA, 85 mA (with Ethernet device)
 - Average Active - 75 mA (serial data), 94 mA (Ethernet)
 - Peak Transmit - 275 mA

- › Operating Temperature: -40°C to +85°C
- › Operating Humidity: 5% to 95% non-condensing
- › Network Protocols: TCP/IP, UDP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Serial over IP
- › Serial Interface: RS-232, DB0-F
- › RS232/422/485 (2/4 wire)
- › Ethernet Interface: 10/100 Mbps RJ-45
- › mini-USB 2.0
- › RF Antenna Connectors: SMA female
- › Status LED's: Network, RSSI, RF, Signal, Status
- › Dimensions: 57 mm x 98 mm x 38 mm
- › Weight: 235 grams



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July 15, 2015