

IPSTAR Enterprise Series

Features

- Adaptive Coding and Modulation (ACM)
- Dynamic Link Allocation Support
- Turbo Product Coding
- QPSK Modulation 8-PSK
- Embedded CPU
- Built-in TCP acceleration
- Always-on or manual login/logout configuration
- Heavy-duty design for failsafe operation in harsh environments
- Receive data rates of up to 4 Mbps and transmit data rates of up to 2 Mbps
- Forward link TOLL waveform for maximum flexibility and efficiency
- Return link STAR waveform automatically adapts to user traffic characteristics to maximize capacity



Technical Specifications

SOFTWARE

Operating System	Windows XP/2000/ME/NT, Linux
Status and Control User Interface Software	Web-based Graphic User Interface (GUI)
Status Monitor Functions	Es/No, Rx signal strength, Rx lock, Rx/Tx bytes, Rx/Tx bit rates, connection status

PROTOCOL INTERFACE

Supported Protocols	UDP/TCP/IP (with advanced TCP acceleration), DHCP for client PCs, IP address assignment, IP Multicast, GRE Tunneling (with TCP acceleration) and other VPN tunneling (no TCP acceleration)
Driver/Medium Access Control (MAC) Software	On-board and hosted by embedded processor
Terminal/Gateway Message Processing	IP-based and satellite link layer-based
Network Capability	NAT, IP forwarding (routing)
Voice Service	H.323 using software application or optional hardware handset

HOST INTERFACE

Form Factor	Standalone unit
Interface	10/100 Mbps Ethernet (RJ45)

AIR INTERFACE

Receive Data Rate	Up to 4 Mbps
Transmit Data Rate	Up to 2 Mbps
Satellite Access	Always-on or manual login/logout

IPSTAR Product Sheet

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