ipstar
Broadband Satellite

Empowering Asia-Pacific

IPSTAR User Terminals

THAICOM

THAICOM, one of Asia's leading commercial satellite operators, has been developing, building and operating satellite networks since 1991. Through our commitment to innovation, we continue to introduce new technologies that redefine the standard for the industry. Our customers include incumbent telcos, corporations and governments across the world, and our name is synonymous with reliable, secure satellite communications. With the introduction of IPSTAR, THAICOM has established a new era in IP-based satellite communications.

THAICOM Public Company Limited / IPSTAR Company Limited
41/103 Rattanathibet Road, Nonthaburi 11000, THAILAND
Tel: (66) 2591-0736 to 49, Fax: (66) 2591-0706, (66) 2591-0719

www.ipstar.com

IPSTAR User Terminals

Innovative product solutions for tomorrow's broadband applications

IPSTAR is driven by a quest for excellence and an ongoing commitment to innovation to broaden the scope of satellite applications, allowing us and our partners to develop and deliver cost-effective broadband satellite solutions.

IPSTAR has built success not only on the reliability and flexibility of its in-orbit resource, but with its ground system technology and products as well. Leveraging the reach and power of broadband satellite, the IPSTAR terminals enable high performance broadband applications for vertical market projects and consumers.

The IPSTAR terminals are fully compliant with the IPSTAR gateway system and specifications, and offer ease of installation and use. Fully IP compatible, all IPSTAR products permit interfacing with a wide range of existing network applications, utilities and hardware — resulting in a rich set of product configuration options designed to meet the requirements of a diverse user and application base.

IPSTAR User Terminal Features

- High performance, cost-optimized design with proprietary IPSTAR chipset technology
- Two-way connectivity with maximum 5 Mbps download and 4 Mbps upload data rates*
- Enhanced TCP/IP acceleration
- Adaptive Coding and Modulation (ACM)
- Dynamic Bandwidth Allocation (DBA)
- RJ-45 Ethernet interface
- Always on or manual log in/log off
- Over-the-air software upgrade
- IP routing features, including IP forwarding, NAT, DHCP and GRE
- Compatible with the IPSTAR satellite, as well as with conventional C- and Ku-Band satellites
- Supports TCP, UDP, multicast and VPN applications
- Supports Windows Vista/XP/2000/ME/NT, Linux and Macintosh operating systems

*Maximum throughput is not applicable for simultaneous download and upload.
Maximum throughput for simultaneous download and upload is 4 Mbps receive and 2 Mbps transmit.

IPSTAR Satellite Terminals

IPSTAR System Compatible · Embedded CPU · Adaptive Coding and Modulation (ACM) · Turbo Product Coding

iCON

Designed for Mass-Market Consumer Broadband

iCON is our consumer-priced terminal, and is designed for mass-market scale and reliability. In combination with our small sized antennas, residential and business users will appreciate the maximum 5 Mbps download and 4 Mbps upload speeds* that iCON offers for a variety of bandwidth-demanding applications, such as high speed Internet, voice and media streaming.

iCON's embedded CPU with Turbo Product Coding enhancement feature is optimized for high speed data applications. Adaptive Coding and Modulation (ACM) is also supported for reliable operation even under severe weather conditions.

2M / 4M · IPSTAR System Compatible · Embedded CPU · Adaptive Coding and Modulation (ACM) · Turbo Product Coding

Dynamic Capacity Allocation (DCA) · QPSK Modulation 8-PSK · Intuitive Control · Heavy Duty

IPX-9200 Enterprise Series

Heavy-Duty Terminal for Demanding Environments

IPX-9200 Enterprise Series is specially designed for vertical market broadband satellite applications and where heavy-duty operation is asked for.

Equipped with dust filters, extra large heat sinks and special power surge protection, the two-way, high performance IPX-9200 Enterprise Series is ideal for specialized applications, such as mobile network backhaul, rural telephony, Virtual Private Network (VPN) and Satellite News Gathering (SNG).

The terminal facilitates 4 Mbps download and 2 Mbps upload speeds, and features IP forwarding, NAT, DHCP, GRE tunneling for VPN and automatic login.

IPSTAR Antenna Systems

Satellite Dish

The IPSTAR satellite antenna system consists of a 0.84 to 1.8-meter diameter Ku-Band satellite dish, feed assembly, 0.25 to 2-Watt Block Up Converter (BUC) and Low Noise BUC (LNB).

BUC Features

- Small size and light weight
- Highly efficient power output
- Low power consumption
- Ulta-low phase noise

1.2m Portable Antenna

The IPSTAR portable antenna is designed to provide news broadcasters with immediate and cost-efficient satellite-based backhaul for Satellite News Gathering (SNG), disaster recovery and emergency communications, and other IP applications.

Benefits

- Compact and light weight
- Flexible and nationwide deployment
- Quick to set up and shut down