

iDirect-Sat

Low-Cost Enterprise Internet Solution

FCHorizon offers the first fully managed, high-speed Business-class Internet solution in MiddleEast

Have you ever tried to drive somewhere and suddenly the road stops? It's pretty difficult to get to where you need to go without the necessary road infrastructure. In fact, you won't get there at all. Or, ever try to drive somewhere in a hurry only to discover you're in the worst gridlock ever? Infrastructure that can't handle the number of users is not very effective.

The same problems exist in the broadband world. Many corporations need to deliver mission-critical information to remote sites, but suddenly the terrestrial or wireless infrastructure stops. Or, another problem frequently arises when the corporation is located in an urban centre - because the IP traffic over the existing network is so congested, bottlenecks and corrupt IP data result. What solutions are available to ensure that corporations successfully get to where they need to go?

The solution, high-speed broadband transport with ubiquitous coverage delivered by Future Communication Horizon.

iDirect-Sat Gets You Where You Need To Go

Corporate demand for high-speed Internet access to branch / field offices is increasing and iDirect-Sat offers the most cost-effective solution. It allows you to communicate mission-critical information between your Head Office and branch location(s) without compromising your QoS standard. With iDirect-Sat, our customers get to where they need to go!

FCHorizon's Low-Cost Internet Solution

The iDirect-Sat two-way satellite solution is ideal for companies that require a secure network to support corporate web-based Internet applications. iDirect-Sat delivers *high-performance* because it is designed to offer Business-class service which means it is not shared with the consumer population. With iDirect-Sat, you'll have increased performance so that now you can download a file which used to take up to 5 minutes over a typical dial-up connection, in as little as 30 seconds or less.

iDirect-Sat is loaded with features that guarantee a positive end user experience, including greater data throughput capacity during peak periods which means the quality of your Internet access is not compromised. In addition, iDirect-Sat meets today's demand for Ethernet connectivity to provide you with a seamless network integration.

Best of all, iDirect-Sat's inherent flexibility allows you to customize your preferred level of service to include the appropriate downlink and uplink bandwidth allocation, optional 24/7 monitoring and optional backup recovery. iDirect-Sat provides businesses with low-cost, high-speed Internet connectivity anywhere in MiddleEast.

Benefits

- Variable data speed rates with a capacity of 10.75 Mbps (or optionally higher) on the downlink and 5.25 Mbps on the uplink
- Flexibility to support web-based business applications including High-Speed Internet, Corporate E-mail, Point-of-Sale (POS), Web-Based e-Learning, and Virtual Private Networks (VPNs).
- Ability to increase speeds with no additional upgrades or costs to equipment
- Plug and Play for data networking environments
- Full LAN support for hundreds of corporate users at each location
- Transportable solution alleviates network builds and permanent infrastructure

iDirect-Sat - Easy as 1,2,3 Business-Class Internet Access Made Easy

FCHorizon's customer support line, hassle-free contract, guaranteed service level agreements, and credit card monthly payment option make choosing iDirect-Sat as easy as 1,2,3 which is why iDirect-Sat is the solution of choice for many of companies.

iDirect-Sat offers ubiquitous coverage which means you can have instant Internet access to any location in MiddleEast!

Planning for the Future

Whether or not your company currently has offices that can access the Internet, switching to iDirect-Sat means your business benefits by utilizing FCHorizon's single network platform, as it greatly reduces the costs associated with expansion and maintenance of your enterprise network. Call now for more details on how iDirect-Sat can serve your remote networking needs.

iDirect-Sat Network

Fully Managed, Private Business-Class Satellite Network

Connect Network Features

Reliability

- Highest network availability in the industry
- Advanced forward error correction that improves quality, data throughput and bandwidth utilization
- 24/7 customer support

High Performance

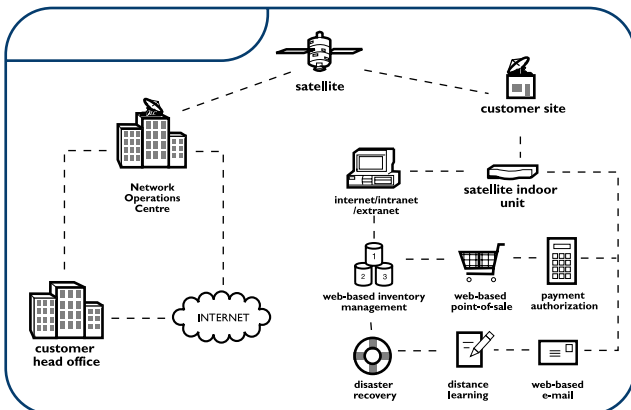
- Highest bi-directional data rates available
- Alleviated latency through advanced TCP acceleration
- Direct, secure connection to your corporate head office or Internet backbone

Ultimate Flexibility

- Ubiquitous coverage
- Remotely configured service levels
- Service available immediately
- Seamless installation
- Independent of local infrastructure

Cost-Effective

- Lower service costs due to increased bandwidth utilization and dynamic allocation
- Coding gains reduce equipment costs while significantly improving satellite efficiency
- Affordable end-to-end network solution



Network Technical Attributes

Network Type:	Two-Way Interactive Star Topology
Forward (Hub) Link:	TDM, 10.75 Mbps (optionally higher)
Return (Remote) Link:	TDMA, 64 Kbps - 5.25 Mbps
Modulation:	QPSK
Data Interconnection:	RJ45 Ethernet 10/100 BaseT
IP Routing Support:	RIP v 2, ARP, ICMP Broadcast, Broadcast, Subnetting, local DNS Cache
Future IP Capabilities:	DHCP, NAT, BootP Forwarding, IP Multicast (IGMPv2)
Rate Limiting:	Up/down rate limit on per site basis
TCP Acceleration:	Upload, download, TCP 3-way handshake acceleration
QoS:	Yes, upstream and downstream
Automatic Network Adjustments:	Rain fade controls (automated frequency and power controls)
Antenna Pointing Tools:	Built-in via DVM
Remote Configuration:	Through FCHorizon's Hub Facilities, includes software upgrades
Input Voltages:	100 - 120/200 - 240 VAC 50/60Hz
Operating Temperature:	Indoor equipment 0° to +50°C Outdoor equipment -40° to +40°C
Filter Services:	Basic filtering services to block certain types of traffic

Product General Specifications

Satellite:	APSTAR 2R
Antenna Size:	1.2m Standard. 1.8 - 2.4m in more remote locations or higher bandwidth requirements
RF Operating Frequency:	KU Band, optional C, Ka Bands
Circuit Download Information Rate:	10 Mbps
Circuit Upload Information Rate:	5.2 Mbps
Maximum Customer Download Rate:	4 Mbps
Maximum Customer Upload (Burst) Rate:	2 Mbps
Private IP Connection:	Yes
Typical Service Availability:	99.99 %
Network Monitoring & Telephone Support:	Standard 8:00 a.m. - 6:00 p.m. 24/7 optional

Note: Specifications subject to change without notice.

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