

## The iDirect Private Hub - Internet Via Satellite Jaba Networks

The iDirect Private Hub is a highly efficient solution for smaller teleport operators, and enterprises operating their own private networks. The iDirect Private Hub provides one inbound/outbound network capability, providing data rates up to 18 mbps downstream, and 4.2 mbps upstream.



[www.jabanetworks.us](http://www.jabanetworks.us)

More importantly, the iDirect Private Hub supports the same network quality and performance as larger iDirect hub solutions. This unique iDirect technology ensures the same user experience as traditional broadband terrestrial networks. The Private hub allows your satellite network to

Better utilize bandwidth and transponder capacity. Capacity optimization is inherent throughout the iDirect solution. By using a native IP solution, you'll save 10-50% capacity versus an inefficient DVB MPEG encapsulation scheme. The extremely rapid bandwidth-on-demand system, capitalizing on MF-TDMA protocol, ensures the highest efficiency of capacity utilization. In addition, iDirect's D-TDMA is 98% payload efficient, and 1.2 carrier spacing delivers an additional 14% savings in bandwidth through more efficient use of your transponder capacity.

Achieve a high degree of scalability. Increase bandwidth as needed on-the-fly: upstream carriers from 64 kbps to 4.2 Mbps; downstream carriers from 128 kbps to 18 Mbps. Upstream per remote from 300 bps to 4.2 Mbps; Downstream per remote from 500 bps to 18 M bps. You can also configure carriers in 1 Kbps increments, and add new remotes easily without increasing satellite capacity.

Carry more application and traffic over your available bandwidth. iDirect's D-TDMA allocates bandwidth among multiple remote sites, based on instantaneous conditions. Several times a second, our D-TDMA feature allocates bandwidth dynamically based on criteria such as the queued depth at each remote site, the CIR (Committed Information Rate) configuration, Quality of Service (QoS) and prioritization requirements, as well as any Rate Limiting established at each remote site.

Provide a host of flexible service and application options for customers. iDirect's system and application Quality of Service feature minimizes high priority packet loss or delay, and allow you to deliver applications like video or Voice over IP.

iDirect is the industry leader in satellite-based broadband access solutions delivering all the benefits of high-speed IP networking beyond the constraints of traditional landline networks. Developed specifically to meet the communications needs of enterprise customers, iDirect powered networks deliver the speed, performance and flexibility to fulfill the most demanding requirements of today's end users • anywhere.

