

iNFINITI 5000 Series Satellite Router

Delivering Reliable and Fast Enterprise Class IP Broadband Connectivity

Developed specifically to support the business critical applications of enterprise customers, the iNFINITI 5000 Series combines a flexible networking platform to deploy tailored topologies and configurations to support end users' most specific needs.

The 5000 series is a satellite router designed for easy deployment, integrating a satellite modem, IP router, TCP acceleration, and advanced QoS and prioritization capabilities.

The iNFINITI 5000 uses the high performance TDM on the outbound and iDirect's patented, deterministic MF-TDMA on the inbound, delivering speeds up to 20 Mbps on the outbound and up to 6.5 Mbps on the inbound.

High Flexibility

Supporting multiple topologies such as star, mesh, and hybrid networks as well as point-to-point SCPC enable maximum flexibility when it comes to the integration of a variety of applications into a single platform. Optional AES encryption will add strong data encryption to customize networks to the most demanding corporate requirements.

Superior Quality of Service

Flexible Quality of Service and prioritization capabilities allow network operators to not only prioritize traffic and applications over their networks but with iDirect's state-of-the-art Group QoS they can determine traffic prioritization across multiple applications, multiple remotes and multiple sub-networks simultaneously, adding a new level of granularity for easier management of the most complex SLAs and subscriber services.

Support for a rich set of IP protocols and features such as TCP, UDP, multicasting, NAT, VLAN tagging and DHCP guarantee compatibility with a wide range of applications when providing corporate network extensions.

Bandwidth Efficiencies

Supporting a wide variety of the most advanced turbo product codes (TPC) FECs, the 5000 series provides more flexibility for network design and optimization. Features such as TCP and HTTP acceleration and local DNS caching increase throughput performance, and maximize the user's experience.

Simplicity

Operating with all iDirect hubs, the iNFINITI 5000 Series can be easily configured, monitored and controlled through the iVantage™ Network Management System, a complete suite of software-based tools for configuring, monitoring and controlling satellite networks from one location.



Features

- ◆ Star topology, Mesh and SCPC
- ◆ High data rates 20 Mbps outbound, 6.5 Mbps return
- ◆ Security and encryption
- ◆ Built-in TCP and HTTP acceleration
- ◆ Advanced QoS and prioritization
- ◆ MF-TDMA return channel achieving 98% payload efficiency
- ◆ Automatic End-to-End Uplink Power Control for higher network availability

