



iDirect Satellite Routers

Advancing a Connected World



The iDirect Intelligent Platform™ integrates advanced technology into iDirect's product portfolio and management software to address the growing complexity of deploying and managing global IP networks. iDirect offers a powerful range of universal satellite hubs, versatile satellite routers, and a series of application-specific, network products such as accelerators and optimization solutions.

The iDirect portfolio of satellite routers provide connectivity to a shared bandwidth platform spanning multiple satellites. iDirect offers a full line of compact satellite routers that integrate a satellite modem and IP router with TCP optimization over satellite, QoS prioritization and compression into an easily deployed, reliable one-box design.

iDirect's family of routers consists of Evolution® DVB-S2 and iNFINITI® TDM models, as well as the iConnex family of router boards that can be easily integrated into third-party solutions.

Evolution® Satellite Routers

iDirect's Evolution routers support DVB-S2 with Adaptive Coding and Modulation (ACM), a bandwidth-efficient technology for networks with larger outbound capacity requirements. iDirect's DVB-S2 was designed and developed around IP and uses extremely efficient encapsulation techniques that deliver speeds up to 149 Mbps.



Evolution® X1 Series Satellite Router

The Evolution X1 is a compact, low-power remote ideal for large, narrowband networks. Optional outdoor version is available with IP67 weatherproof enclosure for an extended temperature range.

- Star topology
- Optimized for single client applications



Evolution® X3 Satellite Router

The Evolution®X3 is ideally suited for broadband connectivity such as Internet and VPN access to enterprise networks, as well as real-time VoIP and video conferencing applications.

- Star and SCPC Return upstream channels
- Optional 256-bit AES encryption



Evolution® X5 Satellite Router

The Evolution® X5 features dual-mode operation of DVB-S2/ACM or iNFINITI® TDM on the outbound. The X5 is designed to support business-critical, broadband applications such as enterprise connectivity, cellular backhaul, maritime and other mobile applications.

- Star and SCPC Return upstream channels
- Optional Mobility and 256-bit AES encryption features



X7 Satellite Router

The X7 Satellite Router is a powerful, next-generation remote featuring a compact, rack-mount design, embedded 8-port switch, a 2nd DVB-S2 demodulator, variant power supply configurations and Web iSite support making it an ideal enterprise class solution.

- Star and SCPC Return upstream channels
- Mobility and optional 256-bit AES encryption features



Evolution® 8000 Series Satellite Router

The Evolution® 8000 Series Satellite Router provides fast, reliable quality of service for military and government networks with Communications on the Move (COTM) and Communications on the Pause (COTP).

- Star, mesh, and SCPC topologies
- Integrated Spread Spectrum waveform technology
- FIPS 140-2 Level 2, TRANSEC with 256-bit AES encryption

iNFINITI® Satellite Routers

iDirect's iNFINITI routers support a unique IP-based TDM/D-TDMA satellite transmission technology capable of delivering up to 20 Mbps on the outbound. This enables customers to intelligently share network capacity across multiple locations, allocating bandwidth in real time and on demand.



iNFINITI® 3000 Satellite Router

Optimized for remote Internet access, the iNFINITI® 3000 Series Satellite Router is an ideal solution for small- to medium- sized enterprise customers with basic remote networking needs.

- Star topology



iNFINITI® 5000 Satellite Router

The iNFINITI 5000 Series is designed to support critical business applications for medium to large enterprises that require maximum flexibility, higher traffic and interoperability. The routers can support IP data rates up to 20 Mbps outbound and up to 6.5 Mbps inbound.

- Star, mesh, and SCPC topologies
- Optional 256-bit AES encryption



iNFINITI® 7000 Satellite Router

The iNFINITI 7000 Series meets the requirements of the military and government with secure, broadband connectivity with speeds up to 20 Mbps on the outbound and up to 6.5 Mbps on the inbound.

- Star, mesh, and SCPC topologies
- FIPS 140-2 certified, TRANSEC security with 256-bit AES encryption

iConnex Satellite Router Board

The iConnex Satellite Router Boards are compact, lightweight router boards designed to be integrated into third-party solutions to support VSAT communications. The iConnex Series supports the same functionality and performance as the stand-alone routers. iConnex board features include:

- Optional 256-bit AES encryption
- Built-in TCP and HTTP acceleration
- Advanced QoS prioritization
- Higher processing power to support more concurrent TCP sessions
- Interface for GPS input or Antenna Control Signaling



Evolution® iConnex Satellite Router Boards

The Evolution Series Satellite Router boards are designed to be easily integrated into portable solutions. To meet the most rigorous demands for mobility and security with TRANSEC and FIPS 140-2 L2, Evolution iConnex boards deliver always-on broadband capabilities into smaller form factors that support data, voice, and video connectivity in highly mobile military and government applications. Available in the following models:

- iConnex e800, e800-FIPSL2
- iConnex e850mp, e850mp-IND, e850mp-FIPSL2

About iDirect

iDirect, a world leader in satellite-based IP communications technology, transforms the way the world gets and stays connected. Our satellite-based IP communications technology enables constant communication for voice, video and data applications in diverse and challenging environments. These include:

- Supporting critical IP applications across the enterprise from VoIP and VPN, to streaming media
- Expanding cellular networks deep into rural and remote areas
- Providing back-up networks during network failure to assure business continuity
- Keeping emergency response teams in touch and in control
- Providing reliable, high-speed mobile broadband connectivity at sea or in the air that improves operations and crew welfare

We invite you to learn more about our product family at: idirect.net/Products

iDirect

13865 Sunrise Valley Drive
Suite 100
Herndon, VA 20171
+1 703.648.8000
+1 866.345.0983
www.idirect.net

Advancing a Connected World

