iDirect Hubs and Line Cards

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.

iDirect satellite hubs enable broadband service over satellite that matches the quality and performance of broadband terrestrial networks. The modular design and flexibility allow customers to operate a shared bandwidth platform spanning multiple satellites, multiple bands, and multiple transponders while supporting multiple topologies simultaneously including mesh, star, iSCPC and hybrid networks.

iDirect's family of hub line cards consists of iNFINITI® TDM, iSCPC and Evolution® DVB-S2 line cards, designed to fit into the slots of the Universal Hub Series or iSCPC Concentrator chassis. Line card models vary by modulator and demodulator configurations and the advanced features they support.

Satellite Hubs

Series 15100 Universal Satellite Hub (5IF/20 Slot)

The Series 15100 Universal Satellite Hub is ideal for service providers operating multiple high performance IP broadband networks. More powerful and future-ready, it incorporates the latest advances in performance, enabling network operators and military service providers to deliver the highest quality connectivity regardless of bandwidth requirement.

- Modular Design

- 1500 Watt power capacity

- Hub Chassis can house up to 20 iNFINITI® or Evolution® line cards

- 5IF version supports multiple bands and transponders on up to five satellites

Series 15000 Universal Satellite Hub (5IF/20 Slot)

The Series 15000 is iDirect's largest, most flexible satellite hub system enabling unparalleled two-way, VSAT satellite solutions in a 20-slot rack-mountable chassis making it the ideal satellite hub for service providers operating multiple high performance IP broadband networks.

- Modular Design

- Hub Chassis can house up to 20 iNFINITI® or Evolution® line cards

- 5IF version supports multiple bands and transponders on up to five satellites

- Star, mesh and SCPC topologies

Series 12000 Universal Satellite Hub (4-slot)

The Series12000 is a 4-slot, market-entry sized satellite hub for service providers operating multiple high performance IP broadband networks. There are two versions of the Universal 4-slot hub, Commercial 4-slot for enterprise applications and Industrial 4-slot for military communications, first responders, or disaster recovery.

- Modular Design

- Rack-mountable chassis houses up to 4 iNFINITI® or Evolution® line card slots and a fifth slot for configuration

- 1IF or 4IF version supports multiple bands and transponders on up to four satellites

- Star, mesh and SCPC topologies

iSCPC Concentrator

Fully integrated, feature-rich hub system provides a smart, economical way to handle SCPC-exclusive traffic. This satellite hub chassis has the latest value-added features from iDirect, including the industry-leading iVantage™ NMS, making it an ideal solution for point-to-point links in cellular backhaul or IP trunks.

- Modular Design

- Chassis can house up to 20 iSCPC line cards, each equipped with integrated QoS, IP routing and TCP acceleration

- 5IF interface supports multiple bands and transponders on up to 5 satellites

Line Cards

Evolution Line Cards

Evolution line cards feature DVB-S2/ACM on the outbound and D-TDMA on the inbound. The line cards are available in demodulator only, modulator/demodulator with dual-mode operation, modulator only, and an industrialized version for military and goverment applications.

Models include:

XLC-10

 XLC-11

XLC-M

eM1D1

iNFINITI Line Cards

iNFINITI line cards feature iNFINITI TDM on the outbound and D-TDMA on the inbound. The line cards are available in demodulator only, modulator/demodulator, TRANSEC, Spread Spectrum, industrialized, and iSCPC versions.

Models include:

M1D1

M1D1-T

M1D1-TSS

M1D1-IND

M1D1-T-IND

M1D1-iSCPC

M0D1

M0D1-NB

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

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Advancing a Connected World

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