The Global Leader
In Mobile Satellite Communication Antenna Systems

Corporate Overview

September 2011
About Intellian

The Global Leader in Mobile Satellite Communication
Antenna Systems

• Corporate Snapshot
  – Founded in 2004
  – Corporate Presence
    • Seoul / Pyungtaek, Korea, Irvine CA, Seattle WA, and Rotterdam, Netherlands
  – Number of Employee : 125 (As of August 2011)
  – Over 300 Global Sales & Tech Support Network
  – Over 15,000 Antennas Shipped in 60 countries
Intellian Innovation Center

- **Functionality:** Headquarters/R&D/Factory
- **Land size:** 8,361 m² (Building space: 6,596 m²)
- **Operation:** Opened - May 2010
Worldwide Sales & Support Network

• Over 300 Worldwide Sales Network
  - NORAM 160
  - SORAM 10
  - EMEA 100
  - APAC 80
Markets Served

- Pleasure
- Commercial
- Oil & Gas
- Military/ Government
- Fishing
Intellian provides a wide range of mobile satellite communication systems with over 30 different products:

**Sat TV**
- i-Series
- t-Series
- w-Series
- d-Series
- s-Series

**VSAT**
- V60G
- v80G
- v110
- v130
- v240C

**Inmarsat**
- FB150
- FB250
- FB500
v 60G

- 24 inch (60cm) Ku-Band
- 3-axis stabilized
- No cable unwrap
- Heading input not required
- TCP/IP & Wi-Fi remote access
- 2-cable installation to ADE (4W, 3 w/8W)
- 4W & 8W BUC options
- Dual Antenna System with Mediator Option
- Available with Cross-Pol or Cross-Pol & Co-Pol
- Firmware & Maintenance via Remote Access IP Address
- Compact & light weight (131 lbs)
- 33 inch (83 cm) Ku-Band
- 3-axis stabilized
- No cable unwrap
- Heading input not required
- TCP/IP & Wi-Fi remote access
- 2-cable installation to ADE (4W, 3 w/8-16W)
- 4W, 8W, & 16W BUC options
- Dual Antenna System with Mediator Option
- Available with Cross-Pol or Cross-Pol & Co-Pol
- Firmware & Maintenance via Remote Access IP Address
- Compact & light weight (196 lbs)
- 41 inch v 110 (1.05 m) & 49 inch v130 (1.25m) Ku-Band
- 3-axis stabilized
- No cable unwrap
- Heading input not required
- TCP/IP & Wi-Fi remote access
- 2-cable installation to ADE (4W, 3 w/8-16W)
- 4W, 8W & 16W BUC options
- Available with Cross-Pol or Cross-Pol & Co-Pol
- Dual Antenna System with Mediator Option
- Firmware & Maintenance via Remote Access IP Address
- Compact & light weight (324 lbs)
- Supplies +48V DC 8W & 16W BUC power with TX signal together from the control unit via one RF cable
- Supports Wi-Fi & Bluetooth ACU operation
- Supports various modem interface formats (Ethernet, Console, RS232)
- Supports Auto Beam Switching via Open AMIP (iDirect) & (Comtech)
- USB Firmware upgrade available
- Built-in real-time diagnostics function
- Event history log recorder available for both access and antenna status
- Built-in web-based remote control management
- NMEA 2000 Gyro interface for heading input
Flexible Integration made easy
What is an Integrator Partner?

- Provides unlimited Internet, email and VoIP (Voice over IP)  
  (Ku-Band, Ka-Band & C-Band using Spread Spectrum & TDMA network technology)
- Offer managed airtime services with added value  
  (multiple voice lines, options for local phone numbers / free long distance calling, Ethernet ports for computers & shipboard networks)
- Fixed costs per month with unlimited Internet use  
  (some Integrators offer voice calling plans with added costs)
- Typical data speeds depending on customer application needs  
  (128kbs/128kbs, 128kbs/256kbs, 256kbs/512kbs with options for 512kbs/1.5mb)
- Provides configured modems for customer application  
  (iDirect, Hughes, Comtech, STM, etc…)
- Services include 24/7 NOC monitoring and support  
  (NOC: Network Operations Center)
Time division multiple access (TDMA) is a channel access method for shared medium networks. It allows several users to share the same frequency channel by dividing the signal into different time slots. The users transmit in rapid succession, one after the other, each using its own time slot. This allows multiple stations to share the same transmission medium (e.g. radio frequency channel) while using only a part of its channel capacity. TDMA is used in the digital 2G cellular systems such as Global System for Mobile Communications (GSM), IS-136, Personal Digital Cellular (PDC) and iDEN, and in the Digital Enhanced Cordless Telecommunications (DECT) standard for portable phones. It is also used extensively in satellite systems, combat-net radio systems, and PON networks for upstream traffic from premises to the operator.
Spread-spectrum techniques are methods by which a signal (e.g. an electrical, electromagnetic, or acoustic signal) generated in a particular bandwidth is deliberately spread in the frequency domain, resulting in a signal with a wider bandwidth. These techniques are used for a variety of reasons, including the establishment of secure communications, increasing resistance to natural interference, noise and jamming, to prevent detection, and to limit power flux density (e.g. in satellite downlinks).
ESSI Corporation

- Hughes Network Platform
- Provides Spread Spectrum Network (v 60G)
- Provides TDMA Network (v 80G, v 110 & v 130)
- 24/7 NOC support
- Coverage in Caribbean, US, Canada & GOM (spread)
- Global and Regional coverage (TDMA)
• GMPCS
  – IDirect & Hughes Network Platform
  – Provides Spread Spectrum Network (v 60G)
  – Provides TDMA Network (v 80G, v 110 & v 130)
  – 24/7 NOC support
  – Coverage in Caribbean, US, Canada & GOM (spread)
  – Global coverage (TDMA Network)
  – Provides Dealer Programs with Bundled Services
• ITC Global

  – IDirect Network Platform
  – Provides TDMA Network (v 80G, v 110 & v 130)
  – 24/7 NOC support
  – Global coverage (TDMA Network)
  – Provides Dealer Programs with Bundled Services
• Linkscape
  – IDirect Network Platform
  – Provides TDMA Network (v 80G, v 110 & v 130)
  – 24/7 NOC support
  – Global coverage (TDMA Network)
  – Provides Dealer Programs with Bundled Services
• Marlink
  – IDirect Network Platform
  – Provides TDMA Network (v 80G, v 110 & v 130)
  – 24/7 NOC support
  – Global coverage (TDMA Network)
  – Provides Dealer Programs with Bundled Services
THANK YOU!

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