



2-CHANNELS OF IRIDIUM THAT CAN SUPPORT VOICE, FAX AND ACARS ALL IN ONE UNIT

6 TOTAL TELEPHONY CONNECTIONS

HAS PABX FEATURES

HAS INDEPENDENT GAIN ADJUSTMENT FOR EACH EXTENSION

## ICG NXTLINK 200

### IRIDIUM TRANSCIVER

The ICG NxtLink 200 Iridium Communications System incorporates dual Iridium transceivers with an internal CTU, providing a standalone comprehensive communications system that can operate over a single coax and Iridium antenna. The NxtLink 200 permits connections of conventional telephony devices or legacy CTU systems through either standard 2-Wire "Tip and Ring" circuits or 4-Wire audio connections. CTU features include intercom calling, call transfer, conferencing and follow on dialing. The device is simple to operate offering standard dialing conventions and PABX operations with familiar call progress tones. It is the ideal solution for aircraft requiring no more than six telephony connections and seamless global communications services without the inconveniences of hand-offs or no service areas.



# ICG NXTLINK 200 SPECIFICATIONS

## TELEPHONY CIRCUITS

(4 Ea.) 2-Wire tip and ring telephony subscriber circuits.  
(2 Ea.) 4-Wire audio circuits with discreet hook status and incoming ring signals.  
600 ohm AC Impedance.  
48- volt DC loop battery.  
60 VRMS 20Hz ring signal.  
Transceiver connections—Motorola DSC Bus.

## ENHANCED TELEPHONY FEATURES

**Call on-hold and call transfer** - simple hook flashes can place inbound, outbound or intercom calls on-hold or transfer the call.

**Three-party Conferencing** - the ICG NextLink 200 system provides basic 3- party conferencing that permits a conference between two onboard callers and a ground party or two ground parties to a single onboard party.

**Intercom Calling** - internal calling is provided to permit calling to other extensions onboard and to provide conferencing of extensions within the aircraft.

**Audio Level Adjustments** - the ICG NextLink 200 provides facilities to provide up to 20db of gain or attenuation per extension or through the Iridium channel, to optimize voice quality in noisy cabins or to accommodate various types of handsets.

**Digital Echo Suppression** for 2-Wire telephone circuits and full credit card calling services supported.

**Interface with the Magnastar® AIU device** to permit Iridium calls via Mach1® Handsets.

**Programmable audio and interface parameters** to permit connections of non-standard systems and devices.

## DAYTONA IRIDIUM TRANSCEIVER (LBT)

- Frequency: 1616MHz—1626.5MHz
- Transmit Power: 7 Watts Max.
- Receiver Sens: -118.5dBm
- Impedance: 50 ohm
- Multiplexing: TDMA/FDMA

## INNOVATIVE COMMUNICATIONS. SUPERIOR TECHNOLOGY.

## SPECIFICATIONS

**Chassis: (L x W x H)**  
Standard 2MCU rack  
15.68 in x 2.25 in x 7.6 in  
(39.83 cm x 5.72 cm x 19.3 cm)

**Weight: (2MCU Rack)** 8.55 pounds (3.89 Kg)

**Weight: (2MCU Tray)** 2.00 pounds (.909 Kg)

**Prime Power:** 28VDC

**LRU Connector:** ARINC 600 Size 1

**Temperature:** -55°C to +70°C storage,  
-40°C to +55°C operating

**Altitude:** 55,000 ft.

**Vibration:** S2/U

### Models:

500617-2: standard dual channel for voice & data

500617-3: with fax option

500617-4: with ACARS/weather graphic services

500617-5: with ACARS/weather graphic services/fax/data option

**Certifications:** DO-160D Compliance

FAA 8130-3

DO-178B Level D compliant

## OPTIONS

- Iridium handset
- FNBDT Type 1 Encryption (NSA Top Secret Approved)
- Antenna Options:
  - Sensor Antenna: ICG PN # 500644
  - Comant Antenna: ICG PN # 500644-1
- Iridium Filter: ICG PN # 500918 (TNC connectors)
- Installation Kit: ICG PN # 500618

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