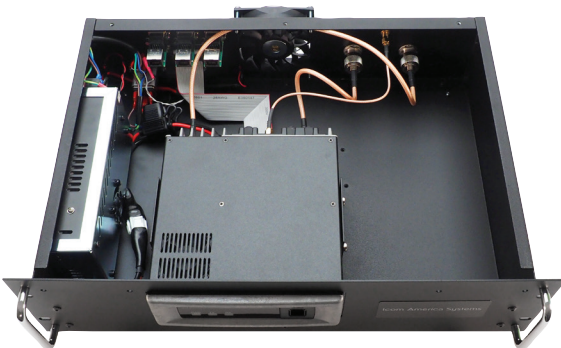
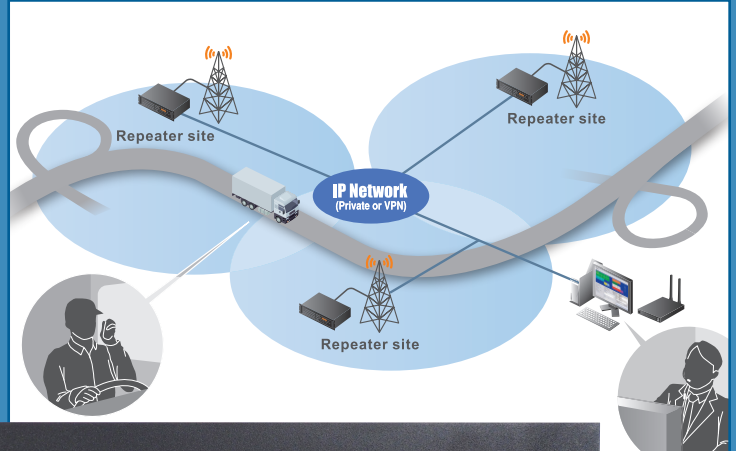


CY-5300 VHF
CY-6300 UHF

Second Generation Plug and Play Repeater Includes NXDN™ Simulcast Compatibility



Digital / Analog / NXDN™ repeater or base station to help grow all of your communication needs.

Built with the latest IDAS™ UR-FR5300 series repeater module, the CY-5300 series adds simulcast to the list of optional configurations. With the internal BBU capable 112/220V AC power supply, system deployments are easier with the all-in-one repeater/base station. It maintains the bold and robust 19" rack mountable CY series chassis.




Auto Battery Backup


The auto battery backup feature provides continued operation during unexpected power outages. When the power supply detects a sudden loss of A/C input power, it auto reverts to battery backup mode. When A/C power is restored, the power supply powers the repeater and recharges the battery. Battery not supplied.


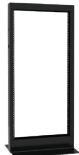
Simulcast with the Optional Antenna

Install the optional UX-241, GNSS antenna to the built-in gold plated SMA connector on the back of the chassis. The UC-FR5300 and CF-FR5300SC card is required for simulcast operation.

| Pre-Selectors - Internal, 4 cavity | |
|------------------------------------|-------------------------|
| VHF | IASPR1001 136-150MHz |
| | IASPR1002 150-174MHz |
| UHF | IASPR1010 400-440Mhz |
| | IASPR1011 440-512MHz |



| Duplexers - Internal* | |
|--|---|
| <p>VHF available in 3, 5, 7 & 10MHz separations in the following frequency ranges</p> <p>136-148 148-160 160-174</p> |  |
| <p>UHF available in 5, & 10MHz separations in the following frequency ranges</p> <p>400-440 440-470 470-490 490-512</p> | |
| <p>*IASDUP50CY - Duplexer install assembly not included; required for installation into CY</p> | |

| Racks | |
|---|--|
| IASMNT1028 28 x 19" 16RU desktop 2-post; 350lb weight capacity | |
| IASMNT1042 42 x 19" welded steel 2-post; 24RU, 1,500lb weight capacity | |
| IASMNT1063 63 x 19" welded steel 2-post; 63RU, 1,500lb weight capacity | |
| IASMNT1070 70 x 19" welded steel 2-post; 40RU, 1,500lb weight capacity | |
|  <p>IASMNT1070 70" RACK</p> |  <p>IASMNT1042 42" RACK</p> |

System Scalable

Adapt your CY configuration to your evolving infrastructure solution needs. Easily upgrade from analog and NXDN™ conventional to NXDN™ conventional voting configurations, single site trunking, multi-site trunking, or NXDN™ conventional simulcast with the UC-FR5300 board and CF software cards.

| System | Requirements |
|--------------------------------|-------------------------------------|
| Simulcast Conventional | UC-FR5300 board + CF-FR5300SC card |
| Multisite Conventional Systems | UC-FR5300 board + CF-FR5000 02 card |
| Single Site NXDN™ Trunking | UC-FR5300 board |
| Multi-site NXDN™ Trunking | UC-FR5300 board + CF-FR5000MT card |

Internal Configuration:

External accessories can be expensive and occupy valuable rack space. We provide three internal configurations to choose from.

- With RX pre-selector installed
- With notch duplexer installed
- With both notch duplexer & RX pre-selector installed

Other Features:

- Three shielded data ports for networking gear or trunking bus connections
- Silver plated "N"-type bulkhead RF connectors for antennas
- Terminal screw connector for easy external battery connection
- Built-in grounding stud
- DB-25 connector for external equipment interface
- Heavy duty-temperature controlled 80 CFM cooling fan
- 3U height, 1 Rack Unit is equal to 1.75 inches

OPTIONS

HM-152
HAND MICROPHONE




HM-152T
DTMF MICROPHONE



CFFR5000 02
Multi site Conventional
CFFR5000MT
Multi site NXDN™ Trunking
CFFR5300SC
Simulcast Conventional



UC-FR5300
IDAS™ TRUNKING NETWORK CONTROLLER



UX-241 GNSS ANTENNA



SM-26 DESKTOP MICROPHONE



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