

GENUS Frequency Converter Summary

The Genus Falcon Frequency Converters are used to translate a band of signals from one frequency to another. Available as agile up converters, agile down converters, block up converters, or block down converters and able to convert RF signals including Ka-band, Ku-band, X-band, C-band, L-band and IF-band. Genus Falcon Frequency Converter modules are housed in the genus chassis, providing teleports with a scalable, flexible and modular solution.

Frequency Converter Module



1U Modules

- IF-Band
- L-Band
- C-Band
- X-Band
- Ku-Band
- K-Band
- Ka-band
- Q-Band
- V-Band
- Remote or local control
- Variable Gain
- 1+1 or 2+1 Redundancy

Frequency Upconverter Module - RF Parameters				
Model Numbers	Band	Module Type	Input Frequency	Output Frequency
FN-D-L1F2-24404	IF	Down	850—3150 MHz	70 MHz / 140 MHz
FN-U-L1F2-24405	IF	Up	70 MHz / 140 MHz	850—3150 MHz
FN-D-C1L1-24426	C	Down	3400—4800 MHz	950—2000 MHz
FN-U-C2L1-24440	C	Up	950—1950 MHz	5725—6850 MHz
FN-D-X3L1-24477	X	Down	7250—8500 MHz	950—2100 MHz
FN-U-X3L1-24447	X	Up	950—2100 MHz	7250—8500 MHz
FN-D-K1L1-24400	Ku	Down	10.70—12.75 GHz	950—2000 MHz
FN-U-K1L1-24407	Ku	Up	950—2000MHz	12.75—14.50 GHz
FN-D-KXL1-24424	K	Down	17.30—21.20 GHz	950—1950 GHz
FN-D-K4L1-24425	Ka	Down	27.0—31.0 GHz	950—1950 MHz
FN-U-K4L1-24403	Ka	Up	950—1950 MHz	27.0—31.0 GHz

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.