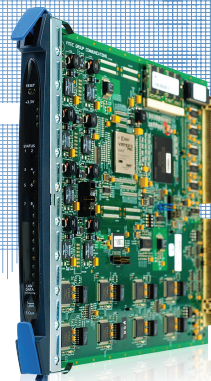# E-Que-HX Interface Card

For Eclipse® HX Matrix Systems

Linking People Together

E-Que-HX Interface Card

Rear Panel

Key Features and Benefits

- Connectivity for FreeSpeak II
- Up to 50 wireless FreeSpeak II beltpacks
- For use with Eclipse HX Card Frames: HX-Omega, HX-Median and HX-Delta
- Up to 4 cards supported in HX-Delta and HX-Median frames; Up to 6 cards supported in HX-Omega with restrictions
- Up to 200 pre-set beltpack user roles defined in EHX software
- Full-duplex 7kHz commentator bandwidth
- Up to 10 antennas can be connected to each E-QUE-HX card
- Supports legacy CellCom/FreeSpeak beltpacks

The E-Que-HX interface frame card provides seamless connection for FreeSpeak II Digital Wireless.

Description

The E-Que-HX card is a six rack unit (6RU) interface frame card that provides seamless connection for digital wireless communication. The E-Que-HX card provides connectivity between the FreeSpeak II Transceiver channels and ports within the matrix system, creating a truly seamless communications environment. Up to 4 E-Que-HX cards can be used in an Eclipse HX-Delta or HX-Median frame, and up to 6 cards in an Eclipse HX-Omega frame.

Wireless Connectivity

As a wireless controller, a single E-Que-HX card enables up to 50 1.9GHz beltpacks, up to 40 2.4GHz beltpacks, or a maximum of 50 beltpacks in any mix. They share the same matrix resources and labels as operator panels. All system-wide conferences, groups and IFBs can be assigned to beltpack keys. Alternatively, external interfaces such as the CCI-22, FOR-22 and logic controls can be assigned to the beltpack keys. The E-Que-HX card can alternatively support up to 40 CellCom/FreeSpeak beltpacks, which have been updated to the latest EHX software.*

Clear-Com®
AN HME COMPANY

E-Que-HX Interface Card

Eclipse® HX Matrix Interface for Clear-Com

Technical Specifications

Maximum cards per frame: 4 (6 in HX-Omega with restrictions)
Beltpacks per card: 50 FSII 1.9GHz, 40 FSII 2.4GHz, 40 CellCom/FreeSpeak
Audio Passband: 100Hz – 7kHz
G.722 Codec: 16kHz sample rate (@64kb/s)
Connectivity: CAT5
Maximum Active Antenna Support: 10 per card
Power (combined cards): +3.3V, 3.5A; +5V, 0.7A; +12V, 0.05A

Environmental

Operating Temperature: 32°F - +104°F (0°C - +40°C)
Storage Temperature: -67°F - +158°F (-55°C - +70°C)
Operating Humidity: 40 – 90%, non-condensing

Dimensions

Front Card: 6RU H x 11.8in D (6RU H x 300mm D)
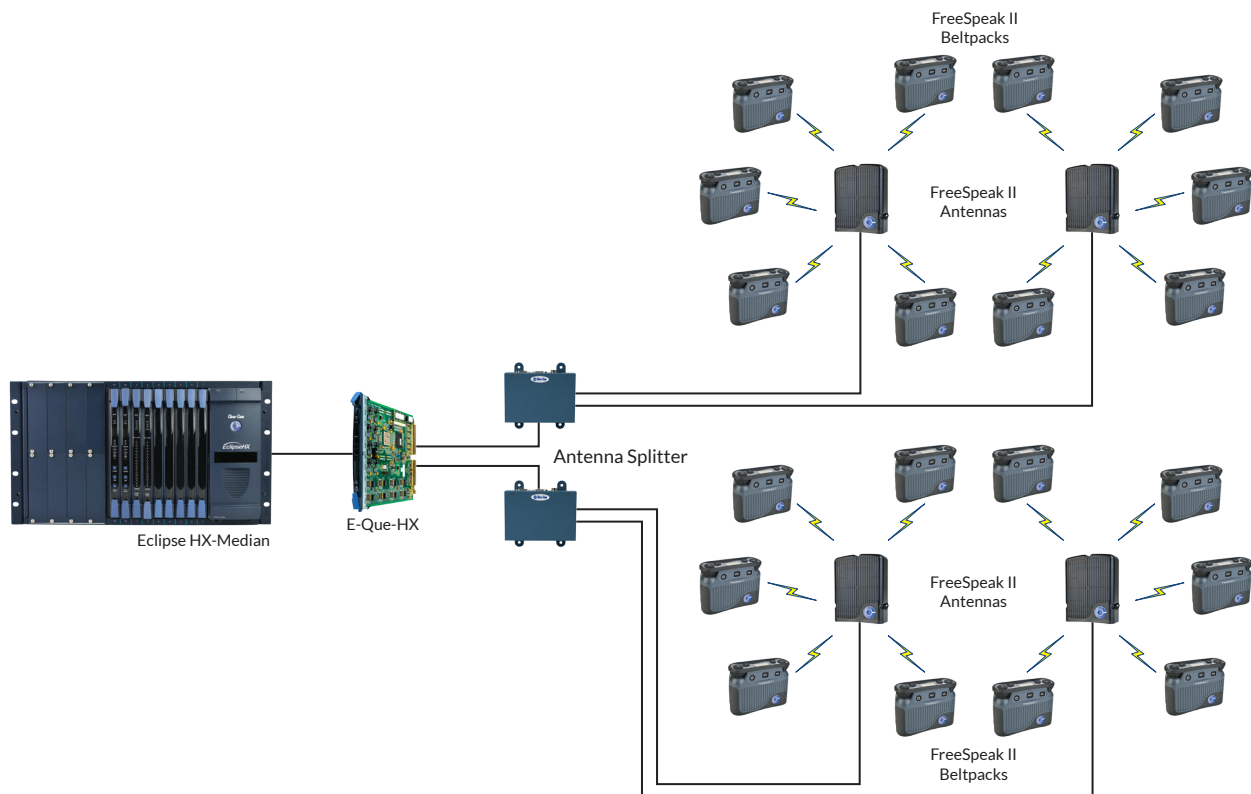**Rear Card:** 6RU H x 2.3in D (6RU H x 58mm D)

Weight

2.14 lbs (0.97 kg)

Order Codes

Part Number and Description

E-QUE-HX

E-Que-HX Card Supporting Freespeak II Beltpacks

www.clearcom.com

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