

DIGITAL MATRIX INTERCOM

Eclipse HX digital matrix intercom systems provide a reliable and flexible communications backbone for non-blocking distribution of audio and data signals across thousands of users within a communications network. All systems can intelligently trunk over IP (Dante, AES67 and native), redundant Fiber, MADI and audio CAT5 without compromising audio quality or performance. Eclipse HX delivers high system performance, intuitive management software, and high capacity for meeting sophisticated communication applications.

System Frames

Eclipse HX can support thousands of user connections on a networked, 64-matrix system. Designed and engineered to meet a wide variety of communication needs.

Clear-Com Eclipse HX is unrivaled in speed of performance, extensibility and scalability.

Eclipse HX-Omega, -Median, -Delta and -PiCo Matrices provide a flexible

and scalable communications backbone for point-to-point, partyline or conference communications.



Eclipse HX-PiCo



Eclipse HX-Delta



Eclipse HX-Median



Eclipse HX-Omega

| | Eclipse HX-PiCo | Eclipse HX-Delta | Eclipse HX-Median | Eclipse HX-Omega |
|---------------------------------|-----------------------------|---|---|---|
| Dimensions | 1RU x 330mm (1.2 inch) | 3RU x 420mm (16.5 inch) | 6RU x 300mm (11.5 inch) | 6RU x 410mm (16 inch) |
| Card slots | Fixed, 1 CPU and 36 ports | 2 CPU and 4 slots | 2 CPU and 7 slots | 2 CPU and 15 slots |
| Maximum number of ports | 36 | 256 | 448 | 512 |
| Maximum system size | 16 frames (if PiCo only) | 64 frames (any combination) | 64 frames (any combination) | 64 frames (any combination) |
| Redundancy options | Dual AC | AC, DC, CPU, LAN, Trunking | AC, CPU, LAN, Trunking | AC, CPU, LAN, Trunking |
| Networking/Linking | 4-wire | 4-wire, Fiber, Dante, AES67, IP, MADI, E1, T1 | 4-wire, Fiber, Dante, AES67, IP, MADI, E1, T1 | 4-wire, Fiber, Dante, AES67, IP, MADI, E1, T1 |
| System interfacing | 4W, 2W, POTS, SIP, IP, GPIO | 4W, 2W, POTS, SIP, IP, FreeSpeak II, MADI, GPIO | 4W, 2W, POTS, SIP, IP, FreeSpeak II, MADI, GPIO | 4W, 2W, POTS, SIP, IP, FreeSpeak II, MADI, GPIO |
| Remote IP Users/Trunking | Via LQ Series IP interface | IP panels, IP mobile clients and trunking to other frames | IP panels, IP mobile clients and trunking to other frames | IP panels, IP mobile clients and trunking to other frames |
| Live operations | EHX & Dynam-EC | EHX & Dynam-EC | EHX & Dynam-EC | EHX & Dynam-EC |