





Product Comparison: Matrix ETERNITY Intercom System and Crystal Guard



Description	Matrix ETERNITY	Crystal Guard	Benefits from Matrix Intercom System
Product Photograph	 <p>ETERNITY ME10S</p>	 <p>G2K-256</p>	Universal slots architecture Ease of installation Hot swappable functionality - change cards in power-on conditions
System Architecture			
Single Line Telephone Ports	320	256	Single Cabinet connects up to built-in 320 extensions
Digital Key Phone Ports	Built-in 4 Ports	-	Built-in 4 digital ports offers extended flexibility without any additional investment.
Technology	32-bit RISC DSP based Distributed Processing Architecture	16 bit High Speed Micro-Controller Based SPC Space Division Multiplexing	Modern technology
Type of Switching	100% Non-Blocking	70.21% Non-blocking	Flexible uninterrupted simultaneous communication
Built-in System Resources			
Analog Input Port (AIP)	1 (Built-in)	1	Play desired music as music-on-hold, back ground music on phones or loud speakers in building area.
Analog Output Port (AOP)	1 (Built-in)	1	Play music or make mass announcements over external paging systems
Digital Input Port (DIP)	1 (Built-in)	1	Connects sensors in emergency situation
Relay Port (DOP)	1 (Built-in)	1	Relay activated devices such as door lock/unlock enhances building security
Ethernet Port	1	-	Access to system through internet for web-based system configuration, SMDR, system logs. Remote access capability to system administrator.
RS232C (COM) Port	1	1	Generates call detail reports
Parallel Printer Port	1	1	Print all call records without any need of external interface.
Multi-Party Conference	21 Participants (7 x 3 Participants)	12 Participants	Virtual conference rooms no hardware limitation
Power Supply			
Input Supply	100-240 VAC, 47-63 Hz	220 VAC	Universal power supply
Power Consumption	70 W (Typical)	100 W	Low power consumption reduces hefty electricity bills
Installation	Wall Mount, Table Top, 19" Rack Mount	Table Top	Flexible mounting options
Redundancy	Yes	-	Redundancy for critical functions ensure uninterrupted communications
Embedded Features			
Wake-up Alarms and Reminders	Time, Daily, Future Date & Time, Remote	Time and Date	Set automatic wake-up alarms and reminders from the extension itself
Auto Call Back	Busy, No Reply	Busy	Get automated call back once an extension gets free
Call Forward	All, Busy, No Reply, Dual Ring, Follow Me on Other Extension Number	Yes	Increase inside building portability and availability by forwarding phone calls to neighbours, security cabin or common areas.
Background Music	Yes	-	Play soothing music for on-hold calls, club house, garden and common areas
Caller Line Display (CLIP)	Built-in, DTMF& FSK	Yes	View the name and phone number of the caller on phone screen before answering a call
Do Not Disturb	Yes	Yes	Residents can restrict unwanted calls

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Flexible Numbering	Upto 6 Digits	Up to 4 Digits	Users can get desired extension numbers, corresponding to their flat numbers. Hassle free numbering for easy communication.
Hotline To Security	Yes	Yes	A unique feature for needy person to get timely help without any hassle of dialing security numbers
Security Station Monitor	Yes, On Digital Key Phone (EON48)	Yes	Monitor the activities of security personnel
Emergency Groups	16	4	More number of Emergency groups offer added flexibility of emergency services. Built-in automatic call hunting hunts for the idle extension from the emergency group at the time of emergency.
Access Codes	Single Digit(Default),Programmable	Two Digit (Default)	Residents can press single digit number for frequently dialing
Call Log	Upto 76 Entries of missed/received calls	Last Five Calls on FND(External Source)	Log more number of calls
Call Details Report (SMDR)	1000 Calls	Not Known	Detailed call information offers added flexibility of monitoring the telephone usage and helps in tracing malicious calls.