Comparison Chart - Why PE7000?

Features	PE7000 Telephone Entry System	Competitors' Telephone Entry Systems	Conventional Intercom Systems	Remarks
Installation and wiring	Very Simple.	Very Simple	Complex	
Anywhere communication	Yes	Yes	No	
Call transfer to next available phone	Yes	No	No	
Video Communication	Yes	*No	Yes	*Some using MMS to send picture only. Consumer has to bear the cost for the MMS service.
Multiple access per trunk (Multi-channel)	*Yes	*Yes	Some	*Depending on number of independent telephone lines
Full-duplex Voice Communication with Acoustic Echo Cancellation (AEC)	*Yes	**No	**Yes, but no AEC	*AEC is a technology that enables natural voice communication where both parties can speak at the same time without compromising voice quality and loudness, by eliminating acoustic feedback from the speaker. **Using simple voice-switch technology that only allows one party to speak at any one time. The system may even fail if back ground noise is too loud because the system always favors voice path with higher loudness. **Without AEC, the speaker cannot be too loud to minimize acoustic feedback geometrically. This is usually the cheap way to achieve full-duplex but it compromises voice clarity and loudness.
Cancellation of microphone coupled DTMF tone to prevent false/unauthorized door access and security breach.	YES	NO	N.A.	A hacker may use an external device, e.g. handphone, to generate the authentic DTMF tone that the VCP can recognize to grant door access. This is a very common problem with most of the telephony systems without echo cancellation technology.
Telephone line sharing	*Yes	Some	N.A.	*When line is in-used by another VCP, the local VCP will indicate line is in used.
Auto hang-up	*Yes	**No	Yes	*The built-in call-progress detection able to understand the current state of telephone line. **Must wait for time up or press the end-of-call

				button at the panel. This can be confusing for the next user if previous call is not end properly.
Access & security	*Comprehensive	Rare	Some	*Supporting integrated lift access, door access, card access and remote access from remote telephone, with Caller ID authentication on call panel and guard phone.
Number of entry codes	*300 to 2000 X 3	50 to 1000 X 1	Small to large	X3 means supporting up to 3 telephones per house unit
Number of door/gate controls	*2	None or 1	1	2 built-in relays and 2 push-button opener inputs. Can connect to wireless opener or external card access.
Number of lift relay channels	Type A: 10 to 58 Type B: 10 to 138	Unknown	Unknown	
Management Software	*Yes	No	No	The management software logs all calls, door and lift access activities. It also allows report printing, searching and data base downloading.
Supporting remote data base downloading	Yes	*Some	N.A.	*Requires external data modem module
Supporting PABX	Yes	maybe	N.A.	To reduce system maintenance cost
Guard Phone	*Yes	Some	Yes	*With missed call logging and fast dial back.
Overall design and ruggedness	*Outstanding	No comments	No comments	*Stainless steel panel, water resistance surface. Backlit aluminum keypad and vivid LCD display (white-on-black) with 20x4 lines.
Overall system cost	Low	Low	*High	The cost of a typical conventional intercom system can range 3 to 7 times higher than that of a telephone entry system. Cost saving depending on the total number of house units and the complexity of wiring.
Overall maintenance cost	Low	Low	High	Telephony system is very reliable as the wiring is much simpler and the number of equipments to maintain is much reduced.
Size of Call Panel in mm (LxWxD)	335 X 130 X 60	various	various	