



Enabling Voice Communication Solutions... Advanced for Today, Fit for Tomorrow

Expanding on the strength, reliability and flexibility of the Teltronics 20-20[®], the next generation, IP-enabled Cerato[®] ME/LE is a proven, resilient converged technology platform, that delivers feature-rich IP communications, sophisticated networking and advanced applications, to medium and large businesses.

Exceptional Voice Quality and Reliability

Built on four decades of industry experience, Teltronics Cerato ME/LE communications systems are designed to make businesses more efficient and responsive. As companies continue to migrate toward converged voice and data solutions, implementing a product that offers superior voice reliability is critical in driving business results.

- Exceptional Voice Quality & Reliability
- Scalability & Investment Protection
- Lower Total Cost of Ownership
- Improved Productivity
- Wide Selection of Phones

Delivering superior voice quality with 99.999% reliability, the Cerato ME/LE addresses VoIP stability with fully integrated redundancy, where all calls remain active, even in the event of a failure.

Scalability and Investment Protection

The Teltronics Cerato ME/LE voice products offer a new, compact design with a complete suite of analog, digital and VoIP interfaces. Whether a business is ready for convergence today or a year from now, the options are open and the investment secure. In addition, current Teltronics system users have a clear migration path to Cerato platforms including the ability to employ existing devices.

With its distinctive non-blocking design and scalability up to 9,216 ports, Cerato ME/LE models, share a common in-

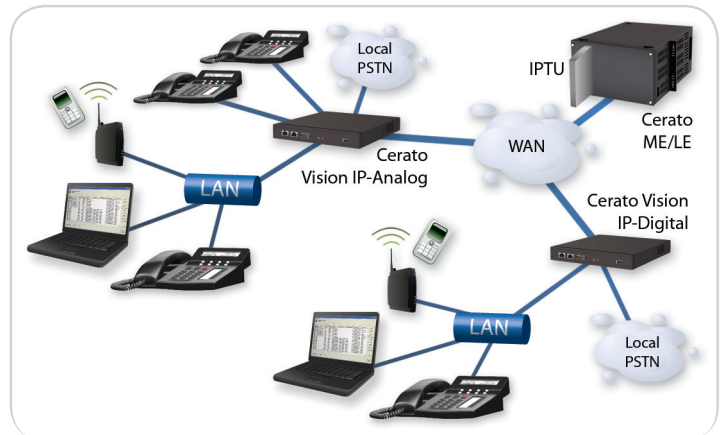
terface for trunks and lines; significantly minimizing upgrade expenses while maximizing business investment.

Lower Total Cost of Ownership

The Cerato ME/LE offers exceptional ease-of-installation, ease-of-use and an easy-to-navigate graphical administrative interface to significantly lower ongoing maintenance and operating expenditures. Through network consolidation and the ability to perform moves, adds, and changes without vendor involvement, businesses enjoy reduced total cost of ownership for the voice communication system.

Improved Productivity with Advanced Features

With multimedia applications such as Advanced Conferencing, SIP-based Unified Messaging, Advanced Security, the Accommodator Hospitality package, and Contact Center support, businesses can provide employees with powerful communications tools – ensuring an enterprise-wide return on investment.





A Wide Selection of Phones

From affordable entry-level phones to products that deliver advanced applications, Teltronics offers a wide variety of VoIP, digital, dual-mode and softphones allowing businesses to increase productivity by matching user requirements with phone features. Teltronics' collection of phones & clients support a comprehensive suite of telephony features and applications with solutions designed to meet varying communication needs from small-to-large.

The Right Choice

The Cerato ME/LE meets the specific needs of businesses and maintains the commitment of investment protection. This feature-rich platform not only maximizes an organization's competitive advantage today but continues to provide an ongoing solution that's fit for tomorrow.

Interfaces	IP/Analog/Digital Phones	Conference Ports	T1/E1 Digital Trunk Units	VoIP IP TU Trunk Channels	Simultaneous Phone Calls	Standalone & Network Capability	Network Interface					
Cerato ME	2048	256	64	1920	Non-blocking to 2048 ports	Yes	10/100 Base T (Ethernet, RJ-45 Connection, 802.1 p-tagging, V-LAN Support					
Cerato LE	9216	768	288	8640	Non-blocking to 9216 ports							
VoIP Specifications		Voice Specifications		Voice Codecs		Fax Support		SIP Trunks				
Cerato ME	G.168 Echo Cancellation, VoIP Packet Coalescing, SIP RFC 3261 and 2833, DTMF Detection, Auto Codec Negotiation, Dynamic Jitter Buffer, Loss Packet Handling		G.711 a-law/u-law, G.729 a,b, Voice Activity Detection and Comfort Noise Generation		Modem, T38 and Fax Clear Channel Auto Detect		RFC 3261 - SIP, 2976 - SIP Info, 3821 - SIP Replace, 3515 - SIP Refer, 2396 - URI, 2388 - DTMF, DTMF - RTP in-band					
Cerato LE												
Trunks		Analog - FXO Interface		Digital T1 Signaling	Digital E1 Signaling	Digital T1 Coding & Framing	Digital E1 Coding & Framing	T1/E1 CCS, T1/E1 CAS				
Cerato ME	Loop Start/Ground Start, 2 and 4 Wire E&M, and Direct Inward Dial, Single Frequency 2600Hz (DTMF, MF, and Dial Pulse)		AT&T, NI-2, 4ESS, 5ESS, DMS100/250, SS7, ISUP, Loop/Ground Start, 2 & 4 Wire E&M Wink, Timed, Tone & Immediate Start, Teltronics Defined Network		NET5, QSIG, NTT, R2, ISUP and Non-Standard: China, Chile, Czech Republic, Poland, Russia, Venezuela, Teltronics Defined Network (TDN), ISUP, Loop/Ground Start, 2 and 4 Wire E&M Wink, Timed, Tone & Immediate Start		ZCS/AMI or B8ZS & D4 or ESF		AMI or HDB3 and CRC4 off/on		ISUP, Loop/Ground Start, E&M Wink, Timed, Tone & Immediate Start	
Cerato LE												
Common Control Physical Specs		Input Power	Input Current	Cabinet Dimensions		19" rack mount	Operating Temperature	Operating Humidity	Storage Temperature			
Cerato ME	DC Power: -48VDC	16A @ -42 to -56 VDC <20dBm C	1.375x24x10.5 in (44.1x61x27 cm) (Height x Width x Depth)		Yes, Bracket	0 to 40 C 32 to 104 F	10 - 80% non-condensing	-20 to 51 C / -4 to 125 F				
Cerato LE		22 Amp max. @ -48 VDC 16.6 Amp nominal full load	70.5x23.2x 28.5 in (179x 68.9x 72.4 cm) (Height x Width x Depth)									
Telephony Shelves Physical Specs		Input Power	Input Current	FXS Ringing Voltage	Dimensions	Weight	Certifications					
MDX LDx	DC Power: -48VDC	12A @ -42 to -56 VDC <20dBm C	65.0 to 90.0 (VAC)	65.0 to 90.0 (VAC)	17.375x24x17.5 in (44.1x61x44.4 cm) (Height x Width x Depth)	85 lbs / 38.6 Kg	EN60950 FCC Part 15 FCC Part 68					
HDX		12A @ -42 to -56 VDC <20dBm C			17.375x24x10.5 in (44.1x61x27 cm) (Height x Width x Depth)					55 lbs / 25 Kg		

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