LIFT COMMUNICATIONS®



Elevator Audio-Visual Text SIP Phone

LC-1300EAV

The LC-1300EAV is a powerful emergency intercom and elevator information designed to provide businesses with a dedicated device to manage elevator communications, security and more. This product can be easily mounted behind several Elevator Car operating panel manufacturers. The LC-1300EAV features a 7-inch touch screen LCD and full duplex HD audio. The GUI can be designed using our drag and drop tool. The LC-1300EAV is ideal for any deployment scenario where elevator communications and security need tcentrally monitored and controlled. ASME 17.1 2019,2020 BCNYS, & CSA B44 2019 & IBC 2018 - 3001.2 Compliant.

7 inch 1024x600 capacitive touch screen

3x alarm input ports and 1x alarm output port for customized deployments

Full duplex 2-way HD audio with advanced echo cancellation

Supports PoE to provide a network connection to the device

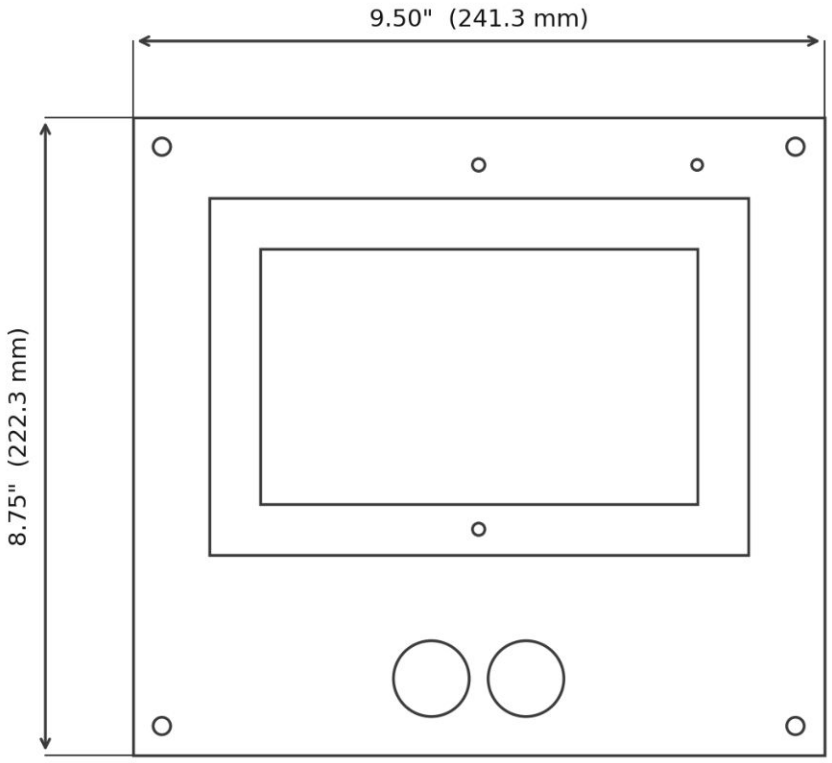
ECPS is a forward-looking approach to elevator safety where communication systems are super-vised, intelligent, and continuously verified. It does not replace required inspections or testing — instead, it adds an extra layer of assurance between service visits.

Health Status, Alarms, and device configuration can be monitored using our optional TDMS Config management system

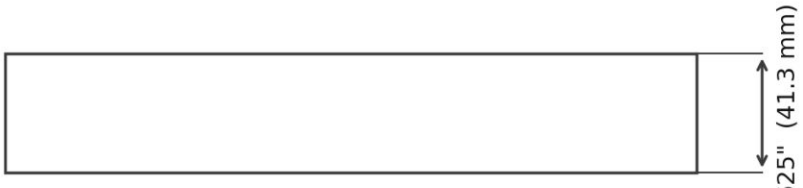
Protocal/Standards	SIP RFC3261, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS (A record, SRV,SNMP V2/3, NAPTR), DHCP, PPPoE, SSH, TFTP, NTP, STUN, SIMPLE, LDAP, 802.1x, TLS, SRTP, IPv6
Netwrok Interface	10/100Mbps ports
Graphic Display	7" 1024×600 capacitive touch screen TFT LCD with Maintenance button
Wi-Fi	Yes, dual-band 802.11 a/b/g/n/ac (2.4GHz & 5GHz)
Alarm Input	3 Channels, including 1 Optocoupler, Vin < 15V (IN+) and 3 Dry Contact (IN1-3), for low voltage devices such as a door sensor, other switch contact, button etc
Alarm Output	1 Channel/Relay, 125VAC/0.5A or 30VDC/2A, Normal Open or Normal Close, for high voltage devices such as, an electric lock or light switch, buzzer, or annuciator
LED Indicator	Yes, Dual color LED for event indication
Voice Codesc and Capabilities	G.711μ/a, G.722 (wide-band), G.726-32, iLBC, Opus, G.729A/B, DTMF (In audio, RFC2833, SIP INFO), VAD, CNG, AEC, PLC, AJB, AGC, ANS
Decoders and Capabilites	H.264 BP/MP/HP, video resolution up to 720p, frame rate up to 30 fps, bit rate up to 2Mbps
Telephony Features	4 SIP Accounts, Hold, Call Waiting, Call Log, Auto Answer, Messaging, etc.
Sample Applications	Local apps: Contacts, Call History, Settings, Voicemail, Clock
Operating System	Linux
HD Audio	Yes, Dual speakers with support for wideband audio and media play in stereo, acoustic echo cancellation
QoS	Layer 2 (802.1Q, 802.1p), 802.11e and Layer 3 (ToS, DiffServ, MPLS) QoS
Security	Secure Boot & Data, Double images for high reliability, random administrator password, user and administrator level passwords, MD5 and MD5-sess based authentication, 256-bit AES based secure configuration file, SRTP, TLS, 802.1x media access control
Multi-language	English, Chinese, German, Spanish, French, Italian, Portuguese, and Russian
Upgrade/Provisioning	Firmware upgrade via TFTP/HTTP/HTTPS, mass provisioning using AES encrypted XML configuration file, ZeroConfig, and manual upload
Power & Green Energy Efficiency	2-pin DC input: 12VDC/1A Integrated PoE : IEEE 802.3af Class 3, power consumption <10W Micro USB input: 5VDC/2A
Temperature and Humility	Operation: -10°C to 50°C, Storage: -20°C to 60°C, Humidity: 10% to 90% Non-condensing
Physical	Unit Dimension: 224.5 x 149.5 x 50 mm; Unit Weight: 517g Entire Package Dimension: 265 x 180 x 54mm; Entire Package Weight: 880g
Package Contents	LC-1300-EAV
Compliance	FCC, CE, RCM, IC, IP66, IK10
Optional Accessories	LC-1300C
Elevator Code Compliance	2020 BCNYS, CSA B44, and 2019/2022 ASME 17.1

*CyberLock is a Registered Trademark of Videx, Inc.

DIMENSIONS: LC-1300EAV



FRONT VIEW



SIDE PROFILE

Specifications

Dimension	Imperial	Metric
Overall height	8.75"	222.3 mm
Overall width	9.50"	241.3 mm
Device depth	1.625"	41.3 mm

Dimensions per CAD drawing 1300EAV1. The drawing also shows the LED indicator (light-pipe) hole and the microphone hole. Metric values converted at 1 in = 25.4 mm and rounded to one decimal place.

LIFT COMMUNICATIONS®



Integrated Video, Security & Communications Solution

LC-SC1300

EMR Phone / Security Desk Phone

The LC-SC1300 IP Video Phone for Android combines a 16-line IP video phone with a multi-platform video conferencing solution and the functionality of an Android table t to offer an all-in-one communications solution. The phone features a 8" 1280x800 capacitive touch screen IPS LCD, 2 Mega pixel camera, dual microphone, dual Gigabit ports with PoE/PoE+, HD audio and HD video, integrated Wi-Fi 6 (802.11 a/b/g/n/ ac/ax) & Bluetooth 5.0, rich peripheral interfaces. It also run s on Android 14 and offers instant access to hundreds of thousands of Android apps. By combining a state-of-the-art IP video phone, an advanced video conferencing solution, and the functionality of an Android tablet, the LC-SC1300 offers business throughout the world a powerful desktop communication and productivity solution.

16 LINES

16 lines with up to 16 SIP accounts

Built-in 2 mega-pixel camera for video calling with privacy shutter

Runs on Android 14 operating system

Gigabit

Dual-switched autosensing 10/100/1000mbps network ports

PoE

Built-in PoE/PoE+ for power and network connections

HD

Dual MIC & HD speakerphone with noise shield 2.0, advanced echo cancellation & excellent double-talk performance

Quad-core 2.0GHz ARM Cortex-A55 processor with 4GB RAM and 16GB eMMC Flash

8.0" (1280×800) capacitive 10-point touch screen IPS LCD

Peripherals include HDMI-in/out, USB, Type-C, 3.5mm headset jack, EHS (Plantronics headsets)

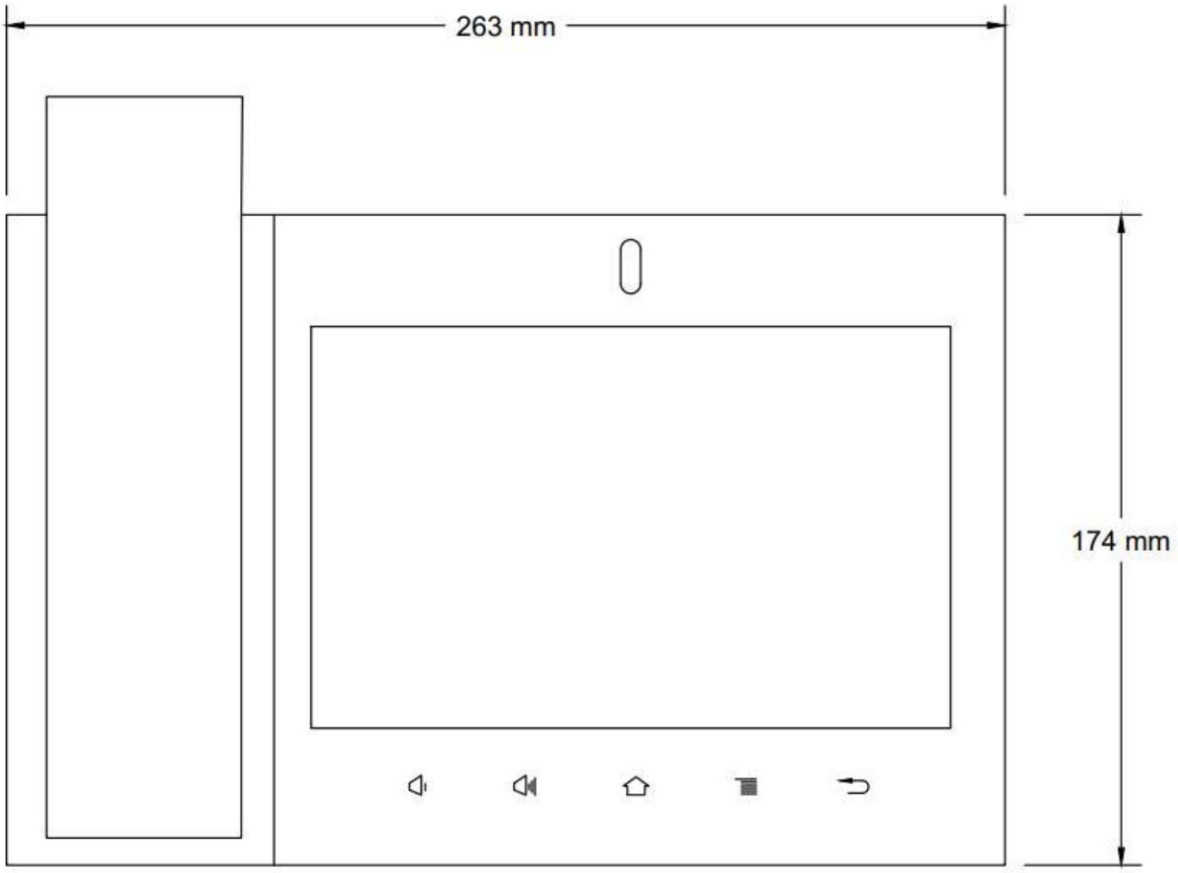
12WAY

12-way audio conferencing & 3-way 1080p 30fps HD video conferencing capability

Protocal/Standards	SIP RFC3261, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, PPPoE, SSH, TFTP, NTP, STUN, SIMPLE, LLDP-MED, LDAP, TR-069, 802.1x, TLS, SRTP, IPv6, OpenVPN®
Netwrok Interface	Dual switched 10/ 100/ 1000 Mbps ports with integrated PoE/PoE+
Graphic Display	8.0 inch 1280×800 capacitive touch screen (10 points) IPS LCD
Camera	Tiltable 2 mega-pixel CMOS camera with privacy shutter, 1080P@30fps
Auxiliary Ports	RJ9 headset jack (allowing EHS with Plantronics headsets), 3.5mm stereo headset with microphone, USB 3.0 port, Type-C, HDMI-out, HDMI-in
Feature Keys	2 function touch keys VOLUME+/-, 3 dedicated Android touch keys HOME, MENU and BACK
Voice Codecs and Capabilities	Wide-band Opus, wide-band G.722, G.711μ/a, G.729A/B, G.726-32, iLBC, in-band and out-of-band DTMF (In audio, RFC2833, SIP INFO), VAD, CNG, AEC, PLC, AJB, AGC, ANS, Noise Shield 2.0
Video Codecs and Capabilities	H.264 BP/MP/HP, video resolution up to 1080p, frame rate up to 30 fps, bit rate up to 4Mbps, 3-way video conference (1080p@30fps), BFCP, people video(up to 1080p@30fps) + content video(up to 1080p@15fps), anti-flickering, and auto exposure
Telephony Features	Hold, transfer, forward (unconditional/no-answer/busy), call park/pickup, 12-way audio conference(including the host), shared-call-appearance (SCA) / bridged-line-appearance (BLA), virtual MPK, downloadable contacts (XML, LDAP, up to 2000 items), call record(local and server), call log (up to 2000 records), call waiting, auto answer, XML customization of screen, flexible dial plan, personalized music ringtones and music on hold, server redundancy & fail-over
Sample Applications	• Local apps: Contacts, Call History, File Manager, Programmable Key, Settings, Browser, Email, Voicemail, Calculator, Clock, Recorder.
Applications Deployment	Supports Android 14 compliant applications to be developed, downloaded and run on the device with provisioning control
Android	Runs Android 14
HD Audio	Yes, 2 omni-directional microphones, HD handset and speakerphone with support for wideband audio
Base Stand	Integrated stand with multiple adjustable angles
QoS	Layer 2 QoS (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS
Security	User and administrator level passwords, random default admin password, MD5 and MD5-sess based authentication, 256-bit AES encrypted configuration file, TLS, SRTP, HTTPS, 802.1x media access control, Kensington Security Slot (Kensington Lock) support, anti-hacking secure boot
Multi-language	English, German, Italian, French, Spanish, Portuguese, Russian, Croatian, Chinese, Korean, Japanese, and more
Upgrade/Provisioning	Firmware upgrade via TFTP / HTTP / HTTPS or local HTTP upload, mass provisioning using TR-069 or AES encrypted XML configuration file, GDMS
Power & Green Energy Efficiency	Universal power adapter included: Input: 100-240VAC 50-60Hz; Output 12VDC 1.5A (18W) Integrated PoE* 802.3af Class 3, PoE+ 802.3at, Class 4 *Must use PSU or PoE+ to power up the phone when using USB devices
Temperature and Humidity	Operation: 0°C to 40°C, Storage: -10°C to 60°C, Humidity: 10% to 90% Non-condensing
Package Content	LC-1300 phone, handset with cord, base stand, universal power supply, network cable, screen cleaning cloth, quick installation guide
Physical Dimension	263 x 173 mm
Compliance	2020 BCNYS and the 2019/2022 ASME 17.1

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DIMENSION



LIFT COMMUNICATIONS®

SIP Phone Integration Kit

LC1200E-GLD



Installed Elevator with SIP Kit



LC1200E-GLD is a SIP integration kit that is designed to integrate several features in a unit. The kit consists of several terminals one of which is the power connection terminal which is suitable for 9-36V DC. It gives access to provide resource sharing and mutual communication through the LAN interface. It has a multifunctional reset button that is used for resetting the system, switching DHCP and returning the system to the factory setting. The kit is equipped with a series of interfaces for audio such as an output socket from the amplifier for connecting loudspeaker, an input for an electret microphone, a line out connection for connecting external amplifier and one for the external audio source. It has the capacity to connect up to 16 independent buttons or a matrix keyboard 4x4. Digital devices can be connected to the kit through the two powered digital output and two galvanized isolated digital input sockets. It is automatically controlled through a relay output. LC1200E-GLD has provision for the connection of three LED signal lights.

It is compatible with elevator car operating panels. It uses a neoprene gasket to protect various elements such as a microphone, speaker, LED and so on against the intrusion of dust and water.

Genetec

Bookmark Video at the Start and Stop of every emergency call to quickly recall video during an incident.

Built-in speaker and microphone check with our proactive maintenance automation tasks.

ZeroConfig Configuration Management tool. With just a few click, provision your intercom with our included Intercom Manager Tool

Maintenance | AUX Button. Allow your maintenance team to communicate with the back of house ensuringe a safe work environment

SNMP v1, v2,and v3 for integration with NMS Systems such as Solarwind NPM, Auvik, PRTG, and more

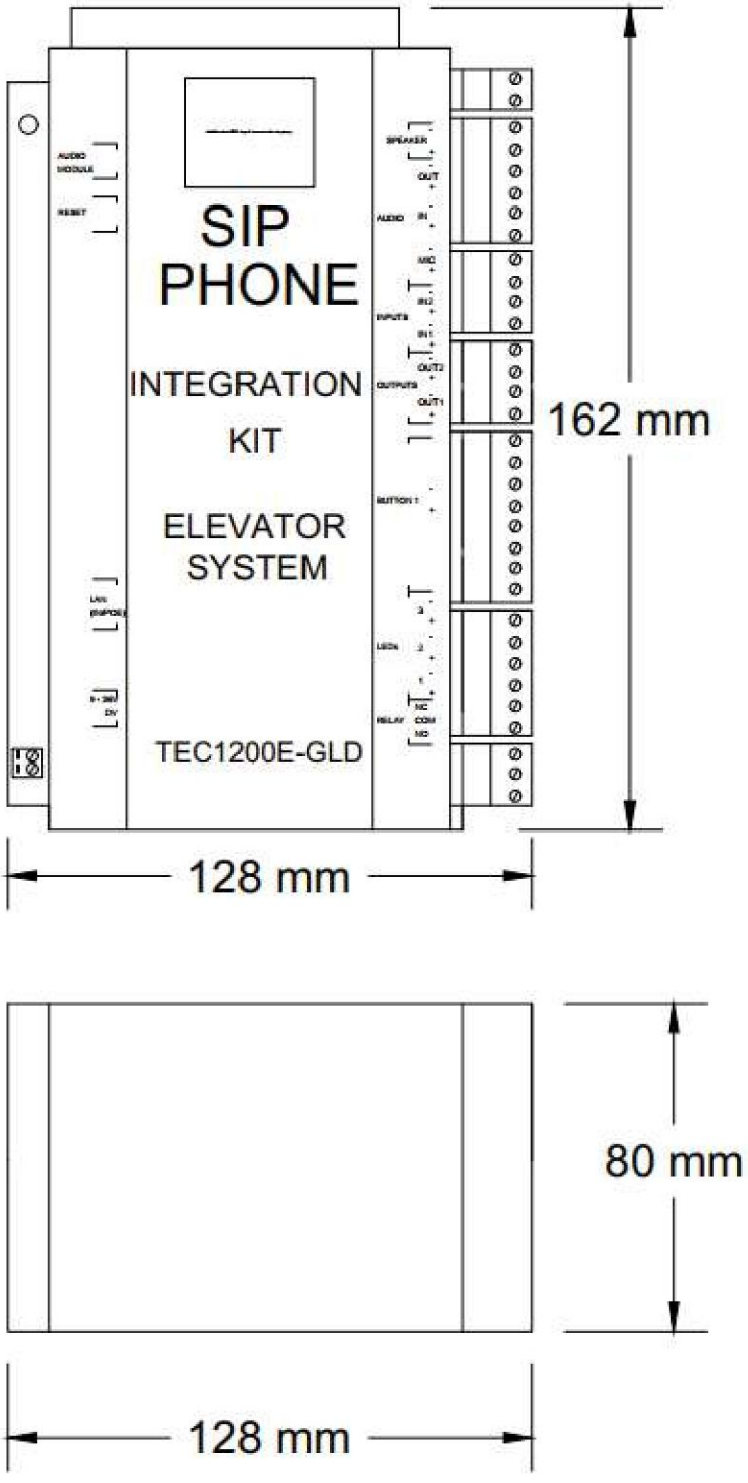
With its full SIP protocol support the intercom easily links with IP phones, without having to connect to the server. Full peer to peer support.

TECHNICAL PARAMETERS

Signalling Protocol		SIP 2.0 (UDP)
Audio Stream	**Protocols**	RTP/RTSP
	Codec	G.711
	Volume control	adjustable with automatic adaptive settings
	Full deplex	Yes (AEC)
Power source	**From external source**	Type 12V DC (9 – 36V DC), max. 2A
	PoE	802.3af (Class 0 – Max. 12.95W)
LAN Interface	**Number of LAN interface**	1
	PoE	802.3af
	Parameter	10/100BASE-TX with Auto-MDIX, RJ-45
	Recommended cable size	Cat-5e or better
Audio Interface	**Microphone Input**	Normal electret waterproof microphone
	Amplifier output	Class D amplifier, MONO output socket, THD < 1% Water Resistance Speaker Max. 5W /8Ω
	Line out socket	600Ω
Button/keyboard interface	**Number of buttons**	Up to 16 independent buttons in 4 x 4 matrix
	Matrix outputs	4 (ROW1-4 terminals) U_{out}<0,1V (L), U_{out}>3,2V (H), max. 8mA
	Matrix inputs	4 (COL1-4 terminals) U_{in}< 1,15 (L), U_{in}> 2,15V, max. U_{in} = 5V
LED control output	**Number of output**	3 (LED1+–, LED2+– , LED3+– terminals)
	output current	Typ. 20mA
	Output voltage	Max. 12V (see note 1)
Digital Outputs	**Number of outputs**	2 (OUT1+– , OUT2+– terminals)
	Type of output	Powered output socket with short-circuit protection
	Output voltage	12V (see note 1)
	Active output	7V – 11V DC/400mA
Logic Input	**Number of input**	2 (IN1+– , IN2+– terminals)
	Input type	Galvanized, isolated inputs (opto-isolators)
	Parameters	U_{in} < 1,1V (L), U_{in} > 3V (H), max. U_{in} = 32V
Relay output	**Number of output**	1 (NC, NO, COM terminals)
	Limit parameter (DC)	Max. 30VDC/1A
	Limit parameter (AC)	Max. 125VAC/0,3A
Mechanical Properties	**Operating temperature**	-40°C - 55°C
	Operating relative humidity	10% - 95% (not-condensing)
	storage temperature	-40°C - +70°C
	Dimensions	162x128x89 mm (order no. TEC1200E)
	Weight	order no. TEC1200E max. 280g.
	Protection cover grade	IP20 (SIP phone electronic only), IP65 (mounted on Car Operating Panel with gasket)
	Mounting	Car Operating Panel Mounted, 4 Post mount with lock nuts

Note: If power supply from adapter does not reach 12V, then the output voltage will be limited to voltage level supplied to the unit.

DIMENSION


SIP
PHONE
INTEGRATION
KIT
ELEVATOR
SYSTEM
TEC1200E-GLD
162 mm
128 mm
80 mm
128 mm

Single Button, Rugged SIP Phone

LC1200A-GLD



LC200A-GLD is a single button security intercom with an intelligent feature designed for different applications. It combines IP technology with industrial intercom and can be installed and managed easily. It is made of high-quality 12-gauge brushed stainless steel which is manufactured to a high standard. This made it highly resistant to vandalism. It is also equipped with a dual led light feature which consumes less energy and serves as a signal during calls. It has an 8 watts waterproof speaker which protects the phone speaker from damage when exposed to water or moisture. LC1200A-GLD enable easy operation by user with the 1.5-inch instructional plate which indicates 'push for help'. The piezoelectric button allows the user to exert pressure to activate the actuation signal without moving parts. It has easy installation and easy to manage. It is suitable for use in transit, banks, schools, museum, stadiums, prisons, city centers and many more.

Genetec

Bookmark Video at the Start and Stop of every emergency call to quickly recall video during an incident.

Built-in speaker and microphone check with our proactive maintenance automation tasks.

ZeroConfig Configuration Management tool. With just a few click, provision your intercom with our included Intercom Manager Tool

Maintenance | AUX Button. Allow your maintenance team to communicate with the back of house ensuringe a safe work environment

SNMP v1, v2,and v3 for integration with NMS Systems such as Solarwind NPM, Auvik, PRTG, and more

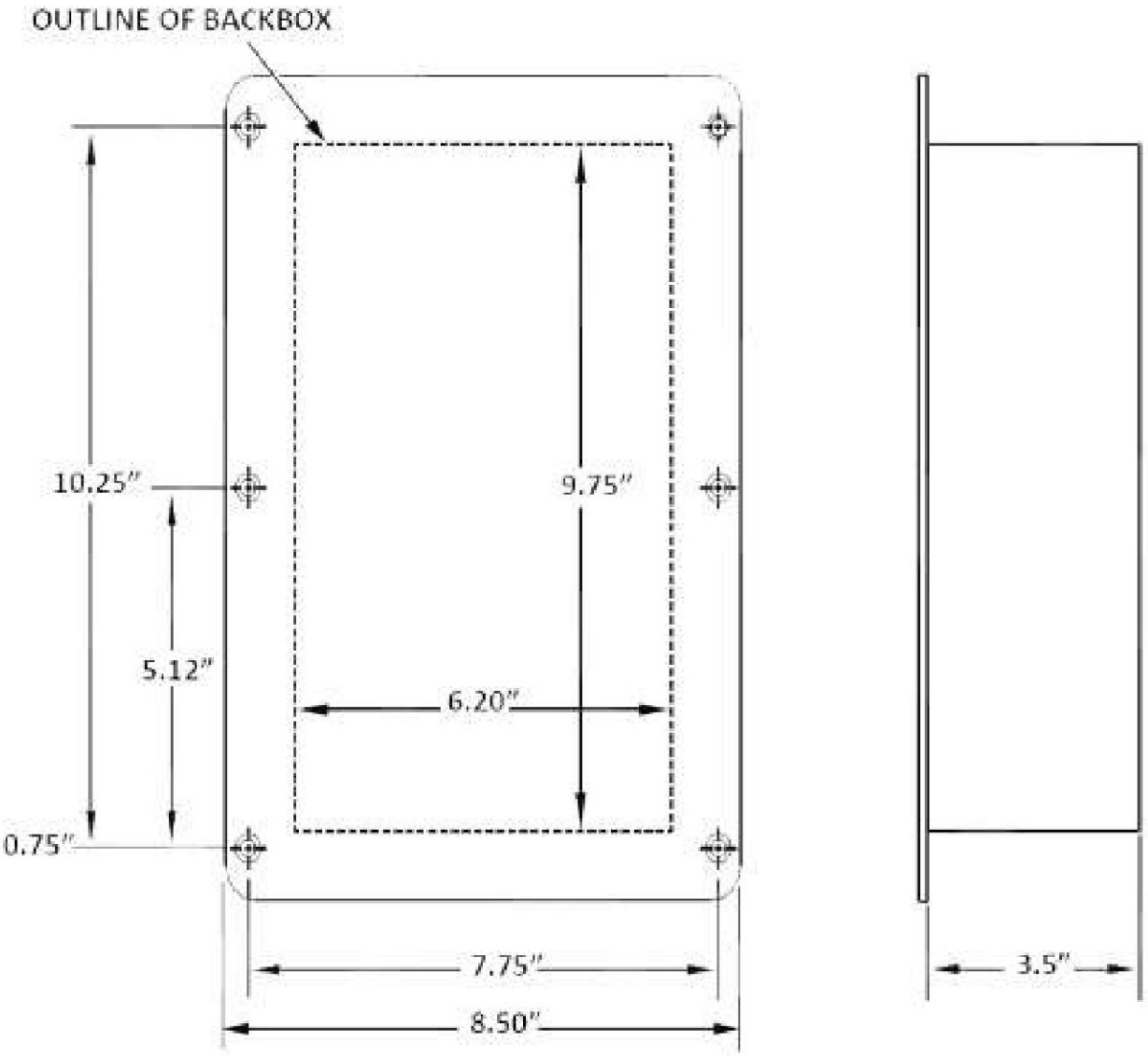
With its full SIP protocol support the intercom easily links with IP phones, without having to connect to the server. Full peer to peer support.

TECHNICAL PARAMETER

	Signalling Protocol	SIP 2.0 (UDP,TCP,TLS)
Audio Stream	**Protocols**	RTP/RTSP
	Codec	G.711
	Volume control	adjustable with automatic adaptive settings
	Full deplex	Yes (AEC Acoustic Echo Cancellation)
Power source	**From external source**	Type 12V DC (9 – 36V DC), max. 2A
	PoE	802.3af (Class 0 – Max. 12.95W)
LAN Interface	**Number of LAN interface**	1
	PoE	802.3af
	Parameter	10/100BASE-TX with Auto-MDIX, RJ-45 Cat-5e or better
	Supported Protocols	SIP, DHCP opt. 66, SNMP V1-3, SMTP, SNTP, 802.1x, RTSP, RTP, TFTP, HTTP, HTTPS, Syslog
Audio Interface	**Microphone Input**	Normal electret waterproof microphone
	Amplifier output	Class D amplifier, MONO output socket, THD < 1% Max. 10W/4Ω Max. 5W /8Ω Max. 2,5W/16Ω
	Line out socket	600Ω
Button/keyboard interface	**Number of buttons**	Up to 16 independent buttons in 4 x 4 matrix
	Matrix outputs	4 (ROW1-4 terminals) U_{out}<0,1V (L), U_{out}>3,2V (H), max. 8mA
	Matrix inputs	4 (COL1-4 terminals) U_{in} < 1,15 (L), U_{in} > 2,15V, max. U_{in} = 5V
LED control output	**Number of output**	3 (LED1+–, LED2+– , LED3+– terminals)
	output current	Typ. 20mA
	Output voltage	Max. 12V (see note 1)
Digital Outputs	**Number of outputs**	2 (OUT1+– , OUT2+– terminals)
	Type of output	Powered output socket with short-circuit protection
	Output voltage	12V (see note 1)
	Active output	7V – 11V DC/400mA
Logic Input	**Number of input**	2 (IN1+– , IN2+– terminals)
	Input type	Galvanized, isolated inputs (opto-isolators)
	Parameters	U_{in} < 1,1V (L), U_{in} > 3V (H), max. U_{in} = 32V
Relay output	**Number of output**	1 (NC, NO, COM terminals)
	Limit parameter (DC)	Max. 30VDC/1A
	Limit parameter (AC)	Max. 125VAC/0,3A
Mechanical Properties	**Operating temperature**	-40°C - 55°C
	Operating relative humidity	10% - 95% (not-condensing)
	storage temperature	-40°C - +70°C
	Dimensions	299x216x89 mm (order no. TEC1200A-GLD)
	Weight	order no. TEC1200A max. 8.26 lbs.
	Protection cover grade	IP66 (Order no. TEC1200A-GLD), IP00 (Order no. TEC1200A-IC)
	Mounting	Wall or flush mount

Note: If power supply from adapter does not reach 12V, then the output voltage will be limited to voltage level supplied to the unit.

DIMENSIONS



LIFT COMMUNICATIONS®

Enterprise-Grade Unified Communication Solution

LC-UCM1400



The LC-UCM1400 IP PBX allows businesses of all sizes to build powerful and scalable unified communication solutions in an easy-to-manage fashion with no licensing fees. This enterprise-grade IP PBX supports up to 3000 users and allows businesses to unify all of their communication technologies on to one centralized network, including voice, video calling, video conferencing, video surveillance, elevator system monitoring, CyberLock Access Control, mobility options, facility access, intercom, and more. The LC-UCM1400 can be integrated with third party applications and platforms, including integrated security platforms and property management systems, and offers an API for additional custom integrations. For LC device management and monitoring, the LC-UCM1400 is compatible with the LC Device Management System (TDMS). This unified communications manager also offers a built-in video conferencing platform with support for desktop users using our Web-based Call Center app. By offering thousands of secure and reliable features at an all-inclusive price point without any licensing fees, costs-per-feature, or recurring fees, the LC-UCM1400 allows enterprises, offices, hotels, retail chains, call centers and more to create a seamless unified communication. Since data is essential in industry's transformation, the Synology in the system uniquely enables every business to secure, manage, and protect their data wherever access is needed.

3000 users

Supports up to 3000 users and up to 450 concurrent calls

zero CONFIG

Zero configuration provisioning of SIP endpoints

Built-in conferencing & meeting platforms; support desktop, Wave app, and SIP endpoints.

Wave App allows communication with all UCM users &solution

API

API available for third-party integrations, including CRM and PMS platforms

UCM RemoteConnect

Automated NAT firewall traversal service facilitates secure remote connections

Gigabit

Three Gigabit auto-sensing RJ45 network ports with integrated PoE+ and support NAT router

Advanced security protection with secure boot, unique certificate and random default password to protect calls and accounts

Enhanced reliability with support for Hot Standby High-Availability (pending)

HD

Supports Full-Band Opus voice codec and H.264/ H.263/ H.263+/H.265/VP8 video codec, jitter resilience up to 50% packet loss

Compatible with TDMS for cloud setup, management and monitoring

Based on the latest Asterisk* version 16 open source telephony operating system

TECHNICAL PARAMETER

Analog Telephone FXS Ports	8 RJ11 Ports All ports have lifeline capability in case of power outage; number of ports can be expanded by peering with an FXS gateway
PSTN Line FXO Ports	8 RJ11 Ports All ports have lifeline capability in case of power outage; number of ports can be expanded by peering with an FXO gateway
Network Interfaces	Three self-adaptive Gigabit ports (switched, routed or dual card mode) with PoE+
NAT Router	Yes (supports router mode and switch mode)
Peripheral Ports	2*USB 3.0, 1*SD card interface
LED Indicators	Power 1/2, FXS, FXO, LAN, WAN, Heartbeatv
LCD Display	128x32 dot matrix graphic LCD with DOWN and OK buttons
Reset Switch	Yes, long press for factory reset and short press for reboot
Voice-over-Packet Capabilities	LEC with NLP Packetized Voice Protocol Unit, 128ms-tail-length carrier grade Line Echo Cancellation, Dynamic Jitter Buffer, Modem detection & auto-switch to G.711, NetEQ, FEC 2.0, jitter resilience up to 50% audio packet loss
Voice and Fax Codecs	H.264, H.263, H263+, H.265, VP8
Video Codecs	H.264, H.263, H263+, H.265, VP8
QoS	Layer 2 QoS (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS
API	Full API available for third-party platform and application integration
Telephony Operating System	Based on Asterisk version 16
DTMF Methods	In-band audio, RFC2833, and SIP INFO
Provisioning Protocol & Plug-and-Play	Mass provisioning using AES encrypted XML configuration file, auto-discovery & auto-provisioning of IP endpoints via ZeroConfig (DHCP Option 66 multicast SIP SUBSCRIBE mDNS), eventlist between local and remote trunk
Network Protocols	SIP, TCP/UDP/IP, RTP/RTCP, IAX, ICMP, ARP, DNS, DDNS, DHCP, NTP, TFTP, SSH, HTTP/HTTPS, PPPoE, STUN, SRTP, TLS, LDAP, HDLC, HDLC-ETH, PPP, Frame Relay (pending), IPv6, OpenVPN®
Disconnect Methods	Busy/Congestion/Howl Tone, Polarity Reversal, Hook Flash Timing, Loop Current Disconnect
Media Encryption	SRTP, TLS, HTTPS, SSH, 802.1X
Universal Power Supply	2x DC 12V Power Jack Input: 100~240VAC, 50/60Hz;Output: DC 12V, 2A
Dimensions	485mm(L) x 187.2mm(W) x 46.2mm(H)
Weight	Unit Weight: 2550g; Package Weight: 3320g
Temperature & Humidity	Operating: 32 - 113°F / 0 ~ 45°C, Humidity 10 - 90% (non-condensing) Storage: 14 - 140°F / -10 ~ 60°C, Humidity 10 - 90% (non-condensing)
Mounting	Rack mount & Desktop
Multi-Language Support	• Web UI: English, Simplified Chinese, Traditional Chinese, Spanish, French, Portuguese, German, Russian, Italian, Polish, Czech, Turkish • Customizable IVR/voice prompts: English, Chinese, British English, German, Spanish, Greek, French, Italian, Dutch, Polish, Portuguese, Russian, Swedish, Turkish, Hebrew, Arabic, • Customizable language pack to support any other languages
Caller ID	Bellcore/Telcordia, ETSI-FSK, ETSI-DTMF, SIN 227 – BT, NTT
Polarity Reversal/Wink	Yes, with enable/disable option upon call establishment and termination
Call Center	Multiple configurable call queues, automatic call distribution (ACD) based on agent skills/availability/work-load, in-queue announcement
Customizable Auto Attendant	Up to 5 layers of IVR (Interactive Voice Response) in multiple languages
Maximum Call Capacity	Users: 3000 Concurrent calls (G.711): 450 Max concurrent SRTP calls (G.711): 300
Maximum Attendees of Conference Bridges	10 Video Conference rooms and up to 80 parties with 1080p, assuming 4 video feeds + 1 screen sharing (H.264 & Opus) Voice Conference: Up to 300 parties (G.711)
Call Features	Call park, call forward, call transfer, call waiting, caller ID, call record, call history, ringtone, IVR, music on hold, call routes, DID, DOD,DND, DISA, ring group, ring simultaneously, time schedule, PIN groups, call queue, pickup group, paging/intercom, voicemail, call wakeup, SCA, BLF, voicemail to email, fax to email, speed dial, call back, dial by name, emergency call, call follow me, blacklist/whitelist,voice conference, video conference, eventlist, feature codes, busy camp-on/ call completion, voice control, post-meeting reports, virtual fax sending/receiving, email to fax.
Firmware Upgrade	Supported by TEC Solutions Device Management System (DMS), a zero-touch provisioning and management system, It provides a centralized interface to provision, manage, monitor and troubleshoot TEC SIP products
Compliance	FCC: Part 15 (CFR 47) Class B, Part 68 CE: EN 55032, EN 55035, EN61000-3-2, EN61000-3-3, EN 62368.1, ES 203 021, ITU K.21 IC: ICES-003, CS-03 Part I Issue 9 RCM: AS/NZS CISPR32, AS/NZS 61000.3.2, AS/NZS 61000.3.3, AS/NZS 62368.1, AS/CA S002, AS/CA S003.1/.2 TBR4, UL 60950 (power adapter)
Elevator Code Compliance	2020 BCNYS and the 2019 ASME 17.1

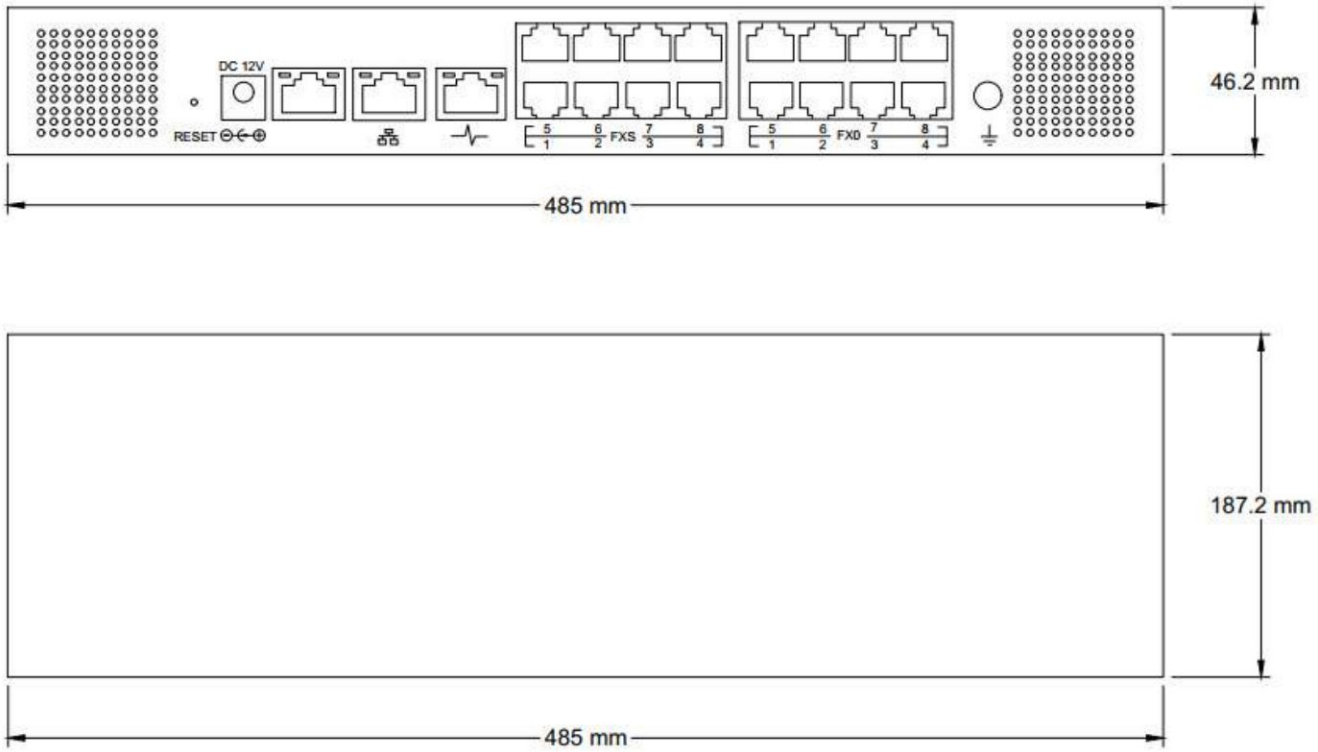
*Cyberlock is a Registered Trademark of Videx, Inc. | Asterisk is a Registered Trademark of Digium, Inc.

TECHNICAL SPECIFICATIONS

HARDWARE

CPU	Intel Xeon D-1527
Hardware encryption engine	Yes (AES-NI)
Hot swappable drive	Yes
Memory	32GB RAM
External port	• 2 x USB 3.0 port • 1 x expansion port
Drive Type	• 4 x 16TB Seagate 16TB HDD Exos X16 7200 RPM 512e/4Kn SATA 6Gb/s 256MB Cache 3.5-Inch Enterprise Hard Drive (ST16000NM001G) (cache dedicated) •Samsung 970 EVO Plus 1TB SSD (MZ-V7S1T0B/AM) (cache dedicated)
Storage	• 4x 16TB synology drive in RAID6 configuration • 2x1TB RAID1 for read write-SSD CACHE
Size (HxWxD)	• 44 x 430.5 x 483.6 mm • 44 x 480 x 518.6 mm (with server ears)
Weight	8.16 kg
LAN	Dual Port 10G SFP+ PCIe 3.0 Ethernet Adapter
PCIe 3.0 slot	• 1 x 8-lane x8 slot • 10GbE/25GbE network interface card support
Wake on LAN/WAN	Yes
Scheduled power on/off	Yes
AC input power voltage	100V to 240V AC
Power frequency	50/60Hz, single phase
System fan	2 (40 x 40 x 28 mm)
Operating temperature	5°C to 35°C (40°F to 95°F)
Storage temperature	-20°C to 60°C (-5°F to 140°F)
Maximum operating altitude	Maximum operating altitude
Relative humidity	5% to 95% RH (non-condensing)

DIMENSION



500M POE Ethernet Extender

LC-2WIRE



The TEC-2WIRE Ethernet Extender is designed to extend the transmission of networking the distance of 500M for SIP Phones, Elevator Intercoms, CCTV IP Cameras while also supporting POE functionality. This means that devices like cameras and intercoms can draw power directly from the transmitter, eliminating the need for separate power supplies. With its industrial design, this product is versatile. It can be integrated into various video transmission systems, including security monitoring, elevator video networks, multimedia teaching, industrial automation, medical monitoring displays, and real-time advertising screen playback systems

Support the local end to power the remote device, the maximum output is 60W

Support 2 megapixels HD video transmission



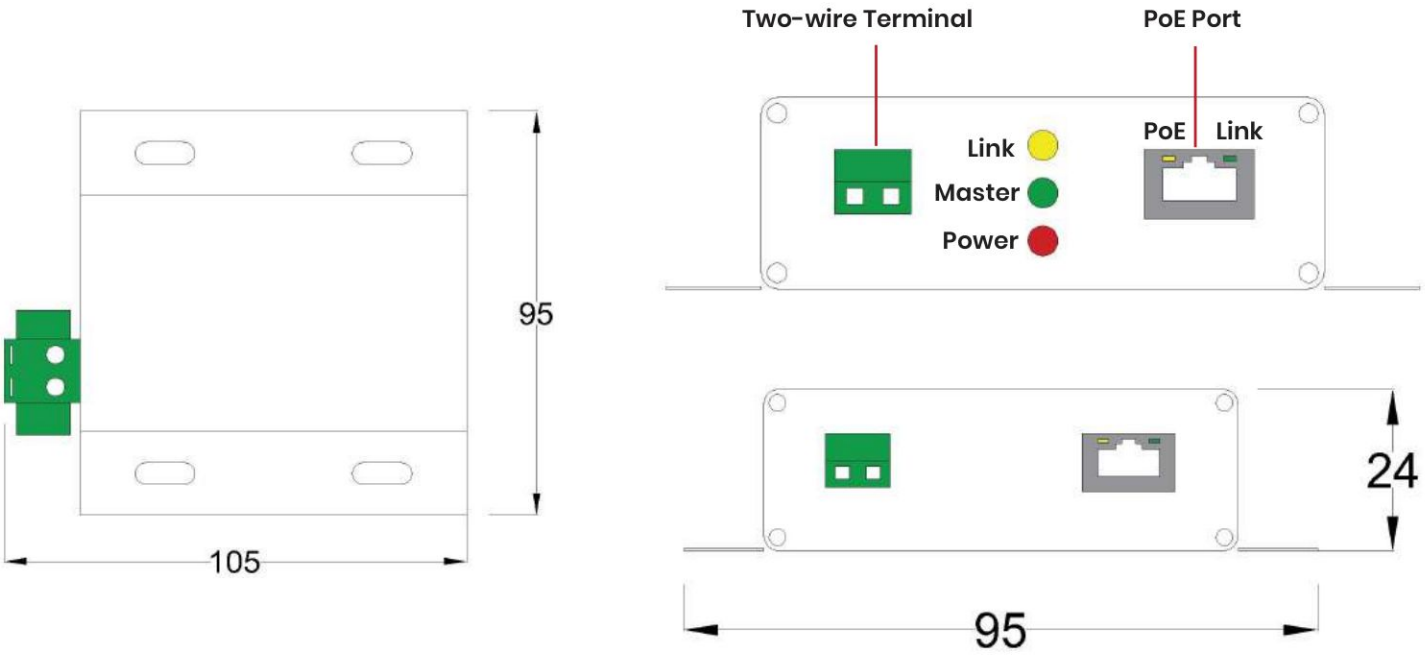
Support multiple cable transmission

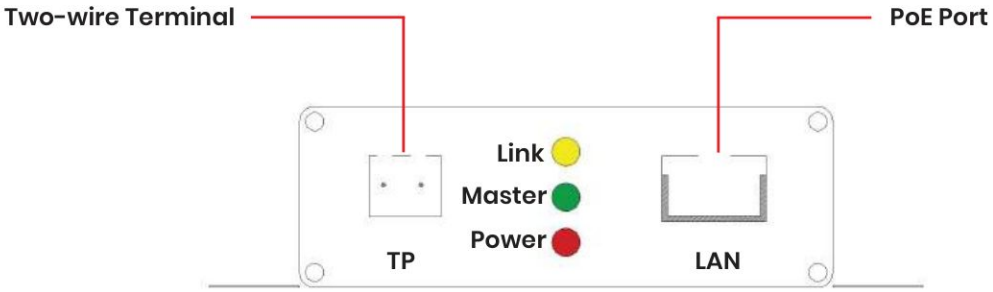
Support multicast function

TECHNICAL SPECIFICATION

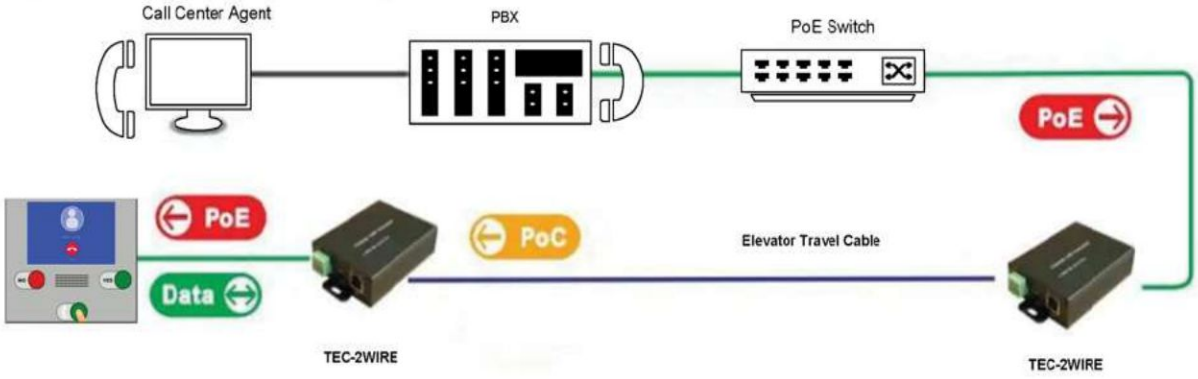
Power	**Input**	DC44V ~ 57V/1A
	Output	POE30W/POE60W
Transfer	**Transmission Media**	Coaxial cable, twisted pair, telephone line, RVV line
	Transmission distance (2x0.75 square millimeter RVV line)	500 M
	Maximum throughput	45Mbps
	Multicast	Support IGMP multocast protocol
Connector	**Power input (DC_IN)**	2.1 - 5.5m DC socket
	Power output (DC_OUT)	RJ45(30W: 1 ,2 ,3 6;60W: 1, 2, 3, 6, 4, 7, 8)
	Ethernet (data)	RJ45 (1, 2 and 3, 6)
	Twisted pair signal input and output (TP)	5.08mm X 2 Screw type industrial terminal
	Groundwire	Shell ground
Indicator Line	**Master**	The indicator light of the host, it is on when the switch is turned to M, and it is off when the switch is turned to S (select the switch position before powering on)
	Link	The signal connection light is on when the TP signal is connected, and not on when the TP signal is not connected.
	Power	The power indicator light is always on after power on.
	RJ45 Green	Network communication indicator light flashes when communicating.
	RJ45 Yellow	POE indicator, on when POE open, flashing when overload or undervoltage.
Appearance	**Size**	105 X 95 X 24 mm
	Color	Black
	Net Weight	190g
Environmental requirement	**Working Temperature**	-20C~70C
	Humidity	0-95%
	Storage Humidity	-40C ~ 85C

TERMINAL INSTRUCTION





WIRING



Airtop 2

LC-AIR2-GSC



LC-AIR2-GSC is a small, silent and high-performance server. It is capable of dissipating 200W of heat without any fan - enough to cool a Xeon CPU and a professional graphics card. The waste heat from the CPU is used to generate airflow which enables Airtop 2 to cool itself with no moving part. It has a robust design which is a technique we employed to reduce vibration by reducing the sensitivity of the product to the source of vibration. It has a quiet operation with zero noise level and zero maintenance is required which helps businesses to significantly reduce downtime. LC-AIR2-GSC is equipped with two power supplies (main and backup), a graphics card, four hard disks and four antennas - all these ensure maximum reliability of Airtop 2 in a 24/7 scenario. It is suitable for a workstation, desktop and server applications. It has a five (5) years warranty.

TECHNICAL PARAMETER

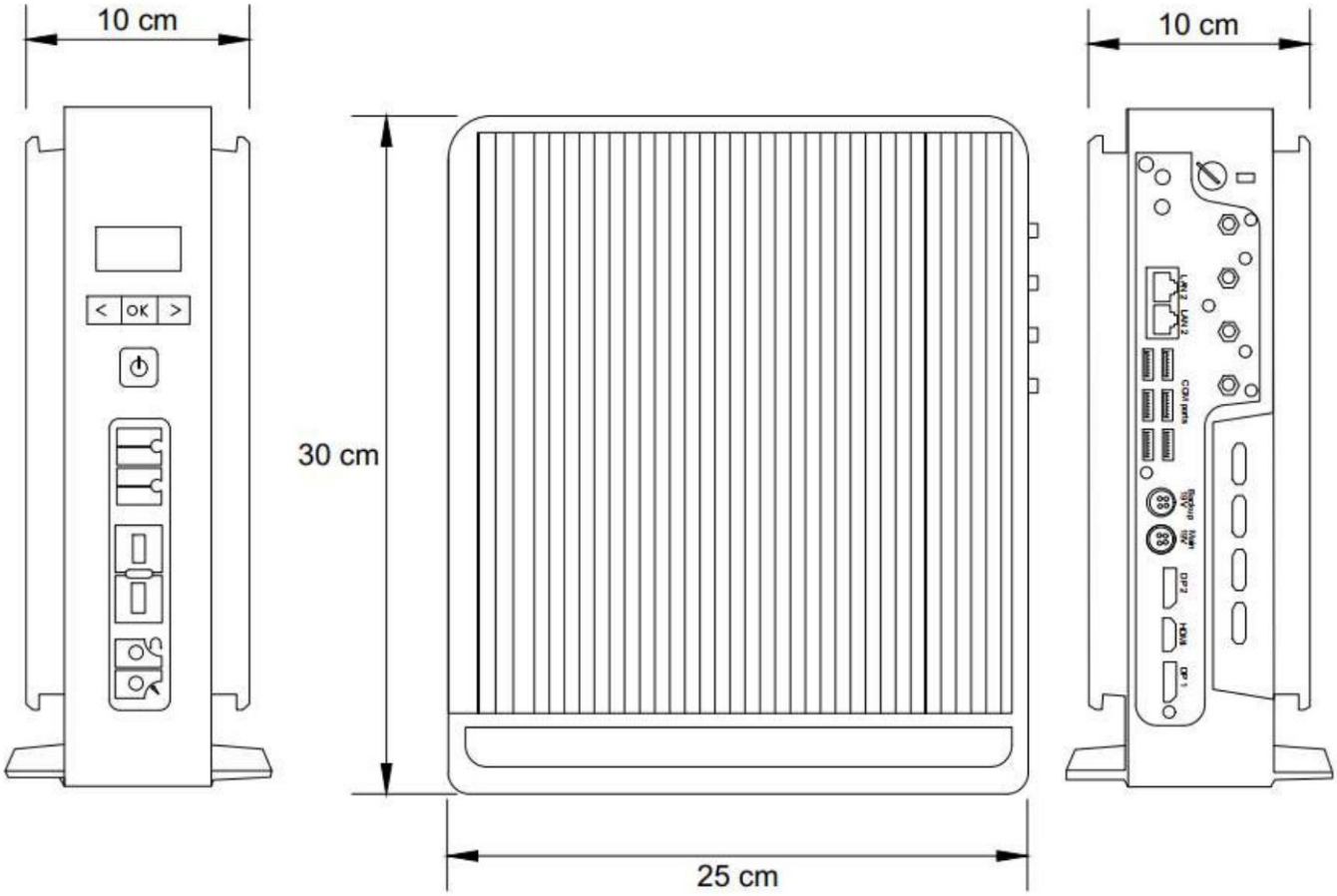
CPU	Inlet Core i7-7700 Inlet Xenon E3-1275 v6	Other pin-compatible CPUs are available for large volume orders.
Chipset	Inlet C236 Chipset	
RAM	Up to 64 GB DDR4 ECC | non-ECC	4x DIMM DDRA-2400/2133 ECC | Non-ECC (unbuffered)
Storage	2x NVMe | SATA 4 x 2.5" HDD | SSD Optional NVM3 card with 3x NVMe	
Graphics & Display	Integrated Intel HD Graphics 630	2x DisplayPort 1.2 - 4K @ 60Hz HDMI 1.4 - 4K @ 24 Hz
	Optional Graphics Card NVIDIA GTX 1060 6 GB Quadro P4000 8 GB	Quadro: 4x DisplayPort 1.4 - 5K @ 60 Hz | 4K @ 120 Hz GTX 1060: 3x DisplayPort 1.4 - 4K @ 120 Hz + HDMI 2.0b 4K @ 60 Hz
Networking	LAN	On-board: Dual Gbit Ethernet (Intel 1219 + Intel 1210) Optional FACE Module: 4x GbE | 4x GbE + PoE | 2x Optical LAN | Ethernet bypass
	Wireless LAN 802.11ac dual antenna + BT 4.2	Add-on M.2 E-key 2230 + 2x RP-SMA antennas. User can install another Wireless LAN adapter.
	Cellular communication LTE/WCDMA/GSM/GNSS	Add on M.2 B-key 3042 + 2x RP-SMA antennas On-board micro-SIM socket
I/O	USB	6x USB 3.0 type-A on-board Optional 2 to 4 USB ports on FACE Module
	Audio	On-board Realtek ALC1150 audio codec with line-out | mic | optical S/PDIF FM-AT2 FACE Module with front line-out | mic Audio over HDMI | DP
	3x RS232 Serial Port	2x full-UART + 1x RX/TX Extra 6 serial ports available with optional FM-SER FACE Module
Extensions	FACE Module	
	PCIe x 16 Standard-height single-slot	Used for discrete graphics card (GeForce or Quadro) / NVM3 Card/ another full-height PCIe card
	M.2 E-key M.2 B-key + micro SIM socket	Normally used for optional WiFi and 4G card
Extra Features	Natural airflow (NAF) cooling	Fanless natural convection cooling with no moving part
	Redundant power	2x DC inputs with automatic failover
	Trusted platform module 2.0	
	Integrated Interactive Information Monitor	An integrated OLED display with navigation keypad for displaying real time power consumption, temperatures and system information
	Digital power & reset management using FPGA	Provide precise power-sequencing timing and system voltage monitoring
	Clamshell opening | tool-free service	Case opens by pressing the top-bar RAM modules and HDD-cartridge require no tools for installation
	System diagnostic LEDs	Discrete LED indicators of RAM detection, BIOS post HDMI and DisplayPort dectection for quick field diagnostics in case of booting issues
	Auto-on	System boots automatically when power is resumed
BIOS & OS	BIOS AMI Aptio V	
	Operating Systems: Windows 10 Professional | Linux Mint	Compatible with other Windows 10 variants Compatible with other Linux variants Compatible with other hypervisors and operating system (e.g. ESXi, FreeBSD)
Power	Input voltage range 19V-24V (+/-10%) Power consumption (8W-240W)	Power consumption depends on - CPU and graphics card - System load - Installed devices - Connected peripherals

Temperature & Humidity	Operating temperature range Up to -40C to 70C Relative humidity 5% - 95% non-condensing	

Mechanical Specification

Dimensions & Weight	Dimensions 10 cm (W) X 30 cm (H) X 25 cm (D) Weight 6kg to 9kg	Weight depends on configuration
Housing & Cooling	All aluminum housing Natural airflow cooling (fanless)	
Mounting	Wall mounting bracket DIN-rail mounting bracket	Sold separately

DIMENSION



RUGGED RING DOWN PHONE

LC1200R-GLD



The LC1200R-GLD is a rugged ring down phone designed to meet the needs of clients who experience phone vandalism. The telephone is made of high-quality gauge 12 brushed stainless steel and standard 10' rubber coiled cord which are manufactured to a high standard. LC1200R-GLD offers high resistance to vandalism and ensures that the primary function of communication is preserved. It is also equipped with a dual led light which consumes less energy and serves as signals during calls. The telephone can operate effectively at extremely low temperatures and high relative humidity. It is suitable for any weather condition. It is also easy to install. LC1200R-GLD is suitable for use in the police station, ATM, hospitals, railway stations, stadium, parking lot and so on.

TECHNICAL PARAMETERS

	Signalling Protocol	SIP 2.0 (UDP)
Audio Stream	**Protocols**	RTP/RTSP
	Codec	G.711
	Volume control	adjustable with automatic adaptive settings
	Full deplex	Yes (AEC)
Power source	**From external source**	Type 12V DC (9 – 36V DC), max. 2A
	PoE	802.3af (Class 0 – Max. 12.95W)
LAN Interface	**Number of LAN interface**	1
	PoE	802.3af
	Parameter	10/100BASE-TX with Auto-MDIX, RJ-45
	Recommended cable size	Cat-5e or better
Audio Interface	**Microphone Input**	Normal electret waterproof microphone
	Amplifier output	Class D amplifier, MONO output socket, THD < 1% Water Resistance Speaker Max. 5W /8Ω
	Line out socket	600Ω
Button/keyboard interface	**Number of buttons**	Up to 16 independent buttons in 4 x 4 matrix
	Matrix outputs	4 (ROW1-4 terminals) U_{out}<0,1V (L), U_{out}>3,2V (H), max. 8mA
	Matrix inputs	4 (COL1-4 terminals) U_{in} < 1,15 (L), U_{in} > 2,15V, max. U_{in} = 5V
LED control output	**Number of output**	3 (LED1+–, LED2+– , LED3+– terminals)
	output current	Typ. 20mA
	Output voltage	Max. 12V (see note 1)
Digital Outputs	**Number of outputs**	2 (OUT1+– , OUT2+– terminals)
	Type of output	Powered output socket with short-circuit protection
	Output voltage	12V (see note 1)
	Active output	7V – 11V DC/400mA
Logic Input	**Number of input**	2 (IN1+– , IN2+– terminals)
	Input type	Galvanized, isolated inputs (opto-isolators)
	Parameters	U_{in} < 1,1V (L), U_{in} > 3V (H), max. U_{in} = 32V
Relay output	**Number of output**	1 (NC, NO, COM terminals)
	Limit parameter (DC)	Max. 30VDC/1A
	Limit parameter (AC)	Max. 125VAC/0,3A
Mechanical Properties	**Operating temperature**	-40°C - 55°C
	Operating relative humidity	10% - 95% (not-condensing)
	storage temperature	-40°C - +70°C
	Dimensions	299x216x89 mm (order no. TEC1200R) 138x90x26 mm (order no. TEC1200R-IC)
	Weight	order no. TEC1200R max. 8.25 lbs. order no. TEC1200R-IC max. 6 oz.
	Protection cover grade	IP65 (order no. TEC1200R-GLD), IP00 (order no. TEC1200R-IC)
	Mounting	Wall or flush mount. Wall mount needs operational back box
	Cord	Rubber Coiled Cord 10' (optional 3' armoured cord) P/N: 1200R-BB

DIMENSIONS

