

HDE-V SERIES

Heavy Duty Emergency Telephones



HDE-30-V



HDE-20-V

HDE-V SERIES HELP POINTS

Guardian's HDE-V SERIES telephones provide a two-way link to emergency, access or information assistance through full-duplex phone transmission. A call may be initiated from the phone by pushing the button which routes the call to its assigned extension. These phones also provide the capability of monitoring the status of each unit from a remote location, informing personnel of a malfunction. HDE-V Telephones are compatible with SIP-based IP-PBX servers that comply with SIP RFC 3261. See our Interoperability Guide for details.

Includes the new Guardian VoIP Sitara Class Control Module, fully redesigned with latest technology and enhancements and expandable and adaptable for future product development. Configuration changes can now be made and committed without a full reboot. Three drive partitions allows multiple versions of the firmware to be maintained. Logs and status bars are now included as part of the web interface. Improved hardware architecture to make field replacements of peripherals simple.

OGP RANGE OF HELP POINT DEVICES

Guardian's OGP (On-Guard Protector) RANGE of Help Point Pedestals and Wall Mount Housings combined with Guardian's HDE Range of Analog and VoIP telephones, create a selection of Emergency/Assist Stations intended for use in public areas where direct / emergency assistance or hands-free communication is required.

HDE-V SERIES HEAVY DUTY VOIP EMERGENCY & PUBLIC ACCESS TELEPHONES

- HDE-20-V – Wall Mount/Single
- HDE-21-V – Wall Mount/Single Call Button & 12 Digit Keypad
- HDE-22-V – Wall Mount/Dual Call Button
- HDE-23-V – Wall Mount/Dual Call Button, w/Keypad
- HDE-30-V – Recessed/Single
- HDE-31-V – Recessed/Single Call Button & 12 Digit Keypad
- HDE-32-V – Recessed/Dual Call Button
- HDE-33-V – Recessed/Dual Call Button, w/Keypad

FEATURES and BENEFITS

- VoIP Sitara Class Control Module
 - The new OS with web interface to support product configuration easier with logs and status bars. Enhanced self-diagnostics. Interactive help.
 - Supports the latest security protocols (ie: TLS1.2) while still maintaining backwards compatibility.
 - SSL Certificates are supported. Web Interface Screen for SSL. Allows import of web, client and auto provisioning Client Certificates.
 - Compatible with SIP-based IP-PBX servers that comply with SIP (RFC 3261).
- "Full" duplex operation.
- PoE 802.3af, 802.3at & 802.3bt enabled (Power-over-Ethernet) or alternate power source (24VDC).
- Full duplex voice w/adaptive echo canceling.
- Auxilliary Relay to control external devices with multiple control modes.
- Network web management interface.
- Real-Time monitoring with iGuard (iGuard is an encrypted, on prem or cloud-based platform that allows you to configure, monitor and maintain deployed Guardian endpoints).
- HDE-V models with an "Emergency" push button – depressing the button once automatically rings a designated number to summon help.
- HDE-V models with a keypad can be configured for manual dialing.
- Night ringer mode – refer to product manual.
- 316 Stainless Steel – 16 Gauge with #4 Brushed Finish, corrosion resistant enclosures
- LED – The call switches have integrated LEDs which can be configured for automatic or manual operation under multiple conditions.
- Speaker Output Power: 7W can exceed 90dB.
- ADA (American Disability Act) & Ontarians with Disabilities Act (AODA) compliant and labeled.
- Operating temp: -40° to +140°F (-40° to +60°C).
- Supports CISCO SRST (User selectable) / Supports Mitel Resiliency (User Selectable).
- Easy bolt on module for high power internal/external hearing loop T-Coil Amplifier.
- VoIP Expansion Module - 802.3BT compliant POE for single LAN cable connection to both expansion module and VoIP Controller.

APPLICATIONS

HDE-V Telephones are designed to provide reliable communications in environments subject to vandalism, moisture, dust and corrosive chemicals such as:

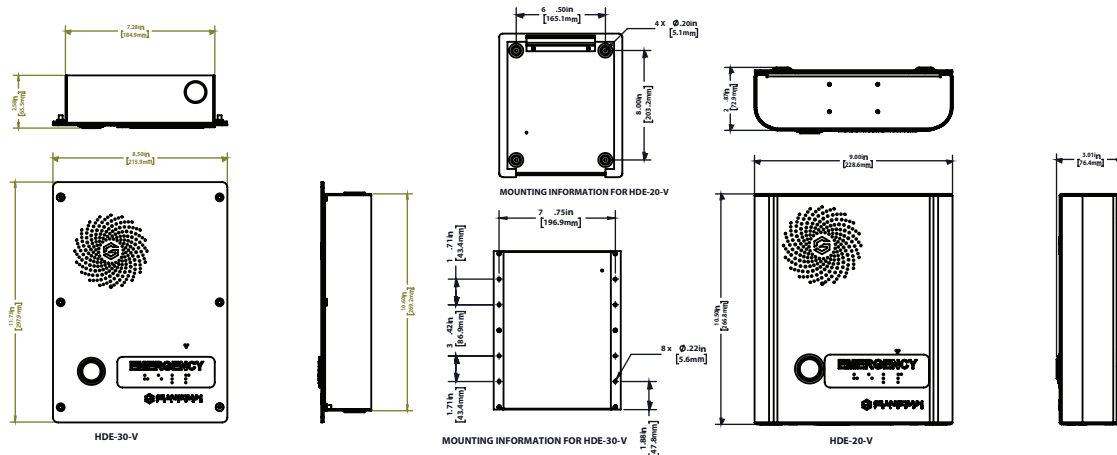
Universities	Public Access Areas	ATMs	Amusement Parks
Secure Access Entry	Transit Authorities	Public Safety Purposes	Road Networks
Industrial Parks	Building Entrances	Elevators	Master Points
Parking Facilities	Plant Entry Gates	Sporting Facilities	Airports
Medical Centers	Senior Citizen Housing		
Mass Transit	and more ...		



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OVERALL DIMENSIONS



HDE-V Series Heavy Duty Emergency & Public Access IP Telephones

ENGINEERING SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

Power Requirements

Method 1 – Thru LAN: POE 802.3af, 802.3at & 802.3bt*

*POE requirement depending on external device user

Method 2 – External Power

Aux/Notification Relay 30VDC @ 0.5A Form A+Form B Solid State (not fused) (Load Type: Resistive)

Optical Isolated Inputs (qty 4)

Optical Isolated Outputs (qty 4)

Network Rate

Protocol

Codecs Supported:

Speaker Output Levels (1KHz @ 1Meter)**

Speaker Output (dB):

Level 9 92.4 - Level 8 91.2 - Level 7 90.4 - Level 6 88.2 - Level 5 85.1 - Level 4 82.3 - Level 3 79.4 -

Level 2 76.1 - Level 1 71.7 - Level 0 Mute

**SPL sound levels based on in-house lab testing and subject to variances.

Paging / Mass Notification Amplifier (H/W enabled, future F/W Release)

MECHANICAL SPECIFICATIONS

Body Construction

Finish

Hardware Material

Net Weight

HDE-30-V

HDE-31-V

HDE-20-V

HDE-21-V

Mounting

Wiring Access

HDE-30-V & HDE-31-V

HDE-20-V & HDE-21-V

SHIPPING SPECIFICATIONS

Shipping Carton Weight

Shipping Carton Dimensions (L x W x D)

VoIP EXPANSION MODULE

802.3BT compliant POE for single LAN cable connection to both expansion module and VoIP Controller.

B44 Alam output switching for both Visual and audible. Audible alarm accepts an alarm silence key switch for responders. Off-hook detect relay (3A @ 250VAC). 2 Solid state user configurable relays (3A @ 250VAC). Support for optional Hearing Loop Amplifier for internal or external antenna.

Switch OR via POE Injector

24VDC @ 1A

15mA Max

On-board current limited for 3-5V Input

Max Switching Voltage: 30VDC @ 150mA

10/100 Mbps

SIP (RFC 3261 Compliant)

G.711 (Mu-law)

G.711 (A-law)

G.729.1 (G729) and (G729EV)

G.722.1 (SIREN7)

G.722.2 (AMR-WB)

7W

ENVIRONMENTAL

Operating temp:

Storage Temp:

-40° to +140°F (-40° to +60°C)

-58° to +176°F (-50° to +80°C)

COMPLIANCE

FCC

Canada

European Commission Directives:

Title 47, Part 15

ICES-003 / NMB-A

2014/30/EU & 2014/35/EU

EN55032:2015

EN55035:2017/A11:2020

Refer to Guardian Telecom SDOC for additional details



* This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

VoIP SITARA CLASS CONTROL MODULE CONFIGURATION ENHANCEMENTS

Easy one click activation for device changes - no full reboot required.

Keypad Mode Select – Choose between ring down or lock out keypad functionality.

Timed Auto-Answer.

User defined I/O monitoring and notification events with iGuard.

Improved auto provisioning for f/w / configuration updates.

VoIP SITARA CLASS CONTROL MODULE HARDWARE ENHANCEMENTS

Expanded Keypad interface provides ample opportunity for custom applications.

New Screwless Terminal Block for ease of installation.

4 Opto-Isolated inputs - Can use for monitoring external sensors, alarms, etc.

4 Opto-Isolated Outputs - Can use for control of external devices.

ORDERING INFORMATION

Warranty: Five years parts and labor

Order No.	Description
SURFACE MOUNT SERIES	
P6940	HDE-20-V, Single Call Button, Surface Mount, VoIP
P6941	HDE-21-V, Single Call Button W/Keypad, Surface Mount, VoIP
P6942	HDE-22-V, Dual Call Button, Surface Mount, VoIP
P6943	HDE-23-V, Dual Call Button, W/Keypad, Surface Mount, VoIP

RECESSED MOUNT SERIES	
P6945	HDE-30-V, Single Call Button, Recessed Mount, VoIP
P6946	HDE-31-V, Single Call Button W/Keypad, Recessed Mount, VoIP
P6947	HDE-32-V, Dual Call Button, Recessed Mount, VoIP
P6948	HDE-33-V, Dual Call Button, W/Keypad, Recessed Mount, VoIP

OPTIONAL ASSEMBLY	
OG-HL-V	OA- Hearing Loop Amplifier Module, VoIP



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