

WTT-V WTR-V SERIES

Watertight VoIP Telephones

WTT-V WTR-V SERIES OUTDOOR/INDOOR INDUSTRIAL VoIP NON-HAZARDOUS TELEPHONES

- WTT-30-V - Metal Keypad/Volume Control Handset/Curly Cord
- WTT-40-V - Metal Keypad/Volume Control Handset/Armored Cord
- WTR-11-V - No Keypad/Volume Control Handset/Curly Cord
- WTR-41-V - No Keypad/Volume Control Handset/Armored Cord
- WTT-40-FO - Fiber Media Converter/Metal Keypad/Volume Control Handset/Armored Cord
- WTR-41-FO - Fiber Media Converter/No Keypad/Volume Control Handset/Armored Cord
- WTR-11-FO - Fiber Media Converter/2 Call Buttons/Volume Control Handset/Curly Cord

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 802.3aT enabled (Power-over-Ethernet) or alternate power source (24VDC).
- Corrosion protected and powder coated steel, full gasket faceplate.
- WTT-V models have waterproof (IP67) metal keypads for extended life.
- Vandal resistant armored handset cord with lanyard on WTT-40-V & WTR-41-V models.
- Heavy duty G Type industrial handset.
- Integrated mounting flanges.
- Handset retainers to maintain on-hook status.
- Spring loaded door.
- Drill guides provided for top & bottom mount glands.
- Water/dust-tight thermoplastic resin enclosure, Type 4X & IP66. UV stabilized & V0 flame rated.
- Magnetic reed hook switch to reduce parts subject to wear.
- Hearing aid compatible handset receiver.
- Configurable Aux Relay (5A), Opto-Isolated Inputs and Outputs.

APPLICATIONS

Guardian's WTT-V & WTR-V telephones are top of the line telephones for use in the most extreme conditions such as:

All Outdoor Locations
Public Safety Purposes
Highway Call Boxes
Construction Sites
Parking Structures
Greenhouses

Public Access Areas
Food Processing Plants
Outdoor Sporting Facilities
Industrial Facilities
University Campuses
Plant Entry Gates

Public Transit
Sewage Plants
Parks
Tunnels
Waterfronts
and more ...

WTT-V WTR-V SERIES

Guardian's WTT-V/WTR-V SERIES Water Tight Industrial Telephone Series offer maximum efficiency under extreme environmental conditions.

The sturdy thermoplastic resin enclosure protects the internal circuitry against wind blown dust, rain, corrosion, splashing and high pressure water with Type 4X & IP66 ratings these are ideal telephones for harsh conditions.

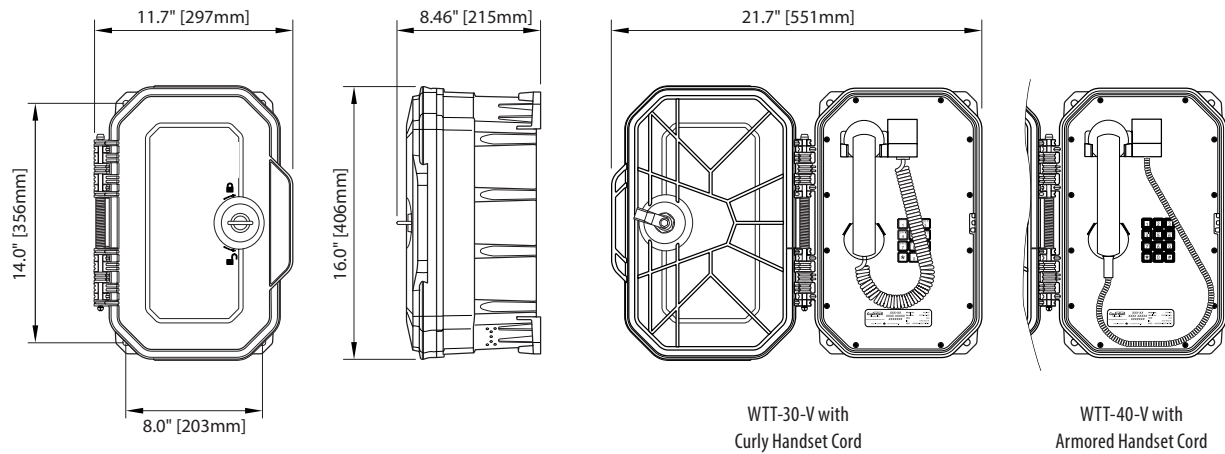
Includes the new Guardian VoIP Sitara Class Control Module, fully redesigned with latest technology and enhancements and expandable and adaptable for future product development. Configuration changes can now be made and committed without a full reboot. Three drive partitions allows multiple versions 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.



tough. trusted. true.



OVERALL DIMENSIONS



WTT-V Series Watertight VoIP Telephones • WTR-V Series Watertight VoIP Ringdown Telephones

ENGINEERING SPECIFICATIONS

ELECTRICAL PERFORMANCE

Network Rate
Protocol
Codecs Supported:

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)

ELECTRICAL SPECIFICATIONS

Power Requirements
Method 1 – Thru LAN: POE 802.3aT
Method 2 – External PS:
Auxiliary Relay
Optical Isolated Inputs (qty 4)
Optical Isolated Outputs (qty 4)

Switch OR via POE Injector
24VDC @ 1A
250VAC @ 5.0A
Wet Inputs @ 15mA Max
On-board current limited for 3-5V Input.
Max Switching Voltage: 30VDC @ 150mA

MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life
Body Construction
Faceplate
Net Weight
Hand Set Construction
Mounting
Microphone
Receiver
Hardware Material
Connection Fittings

>1 000 000 Operations
Thermoplastic Resin
Corrosion Protected & Powder Coated
11.8 lbs (5.4 kg)
High Impact Polycarbonate
Vertical Wall
Noise Reducing Electret
Hearing Aid Compatible
Stainless Steel
Up to 4 Drill Guides for Gland Support

*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.
New User Controllable DC Relay with 5A @ 250VAC Rated Contacts.
4 Opto-Isolated inputs - Can use for monitoring external sensors, alarms, etc.
4 Opto-Isolated Outputs - Can use for control of external devices.

ENVIRONMENTAL

Water/Dust Tight Enclosure
Operating Temperature
Storage Temperature
Housing Resin

Type 4X & IP66
-40° to +140°F (-40° to +60°C)
-58° to +176°F (-50° to +80°C)
UL-V0 Flame, UV Stabilized

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

SHIPPING SPECIFICATIONS

Shipping Carton Weight
Shipping Carton Dimensions (L x W x D)

14.0 lbs (6.3 kg)
20.0" x 15.0" x 12.0" (508 x 381 x 305 mm)

ORDERING INFORMATION

Warranty: Five years parts and labor

Order No.	Description
P5308	WTT-30-V Watertight Telephone/Metal Keypad/Curly Handset Cord
P5309	WTT-40-V Watertight Telephone/Metal Keypad/Armored Handset Cord
P5310	WTR-11-V Watertight Ringdown Telephone/Curly Handset Cord
P5311	WTR-41-V Watertight Ringdown Telephone/Armored Handset Cord
P6311	WTT-40-FO Watertight Telephone/Fiber Media Converter/Keypad/Armored Handset Cord
P6312	WTR-41-FO Watertight Ringdown/Fiber Media Converter/Armored Handset Cord
P5316	WTR-11-FO Watertight Ringdown c/w 2 call buttons/Fiber Media Converter/Curly Cord Handset Cord

Options

WTT-EXP	VoIP Expansion Module (WTT/WTR)
CC	Conformal Coated Circuit Board
NC	Noise Canceling Microphone
LCK-WTE	Locking Door
VR-WTE	Vandal Resistant Faceplate Screws
BP-WTE	Inside Bottom Plate for Mounting Other Equipment, Cable Management Devices ...

Custom embossed logo or smooth face for label (minimum quantity required – consult with sales agent)



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