Waterproof Enclosures for the LT-800 and LR-100 Tech Note

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Listen®

www.listentech.com

Design Considerations

1. **Enclosure Size**: The case should have a mimimum internal mounting surface of 12 x 10 in. (30.4 x 25.4 cm). This allows for ease of audio and RF connections to the Listen devices.
2. **Enclosure Power**: The case must supply 110 VAC/60 Hz/20 Watts.
3. **Enclosure Ratings**: Case should be NEMA Type 4X Rated.
4. **Enclosure Inputs**: AC Power supply / Audio cabling.
5. **Enclosure Outputs**: Coax / Antenna feed line.
6. **Coax Management**: Care should be taken to not bend or flex coax. Consideration should be given to a moldable version of coax.
7. **Environmental Considerations**: Cases can be purchase that provide environmental controls for temperature management.
8. **Mounting**: Listen recommends use of the LA-327 mounting brackets.

Suggested Enclosures

Manufacturer	Part Number	MSRP	Comments	
Hyperlink Technologies *www.hyperlinktech.com*	NB141207-100	$179.99	Base Model	
Hyperlink Technologies *www.hyperlinktech.com*	NB141207-1H0	$199.99	Base Model with Thermostat Controlled Heater	
Hyperlink Technologies *www.hyperlinktech.com*	NB141207-10F	$199.99	Base Model with Thermostat Controlled Cooling Fan	
Hyperlink Technologies *www.hyperlinktech.com*	NB141207-1HF	$249.99	Base Model with Thermostat Controlled Heaters & Cooling Fan	
Terrawave Solutions *www.terrawaveonline.com*	TWSD16128PHC	$631.25	Base Model 16 x 12 x 8 IP54 Steel with Fan & Heat	

Specifications for each enclosure on following pages.

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HyperLink Technologies
Innovative Solutions For Wireless Communications

110 VAC Weatherproof Enclosures

Applications and Features

Applications
- Remote wireless LAN WiFi equipment installations
- Indoor and outdoor installations
- Hot and cold temperature environments
- Corrosive environments
- Hotspot applications
- Protection of equipment from theft or damage

Features
- Molded fiberglass reinforced polyester enclosure
- Stainless steel quick release latches with padlock hasps
- Fully gasketed raised lid
- Integral mounting flange
- NEMA Type 4X / IP65 rated* (NB141207-100/1H0)
- NEMA Type 3R / IP42 rated (NB141207-10F/1HF)
- Features aluminum mounting plate
- Thermostat-controlled heating or cooling models
- Optional solid state dual set point temperature controller available
- 110 VAC Outlets
- Mounting plate can accommodate WLAN equipment from Cisco®, Symbol®, D-Link®, HyperLink and more.
- Optional universal equipment shelf and mounting brackets available

Data Sheet Links
NB141207-100 http://www.hyperlinktech.com/web/pdf/nb141207-100.pdf
NB141207-1H0 http://www.hyperlinktech.com/web/pdf/nb141207-1h0.pdf
NB141207-10F http://www.hyperlinktech.com/web/pdf/nb141207-10f.pdf
NB141207-1HF http://www.hyperlinktech.com/web/pdf/nb141207-1hf.pdf

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TERRAWAVE SOLUTIONS®

16x12x8 IP54 Steel Enclosure with Fan and Heater

Item Code: TWSD16128PHC
Price: $ 631.25
Weight: 24.00 lbs.
Unit of Measure: EACH
Brand: TERRAWAVE SOLUTIONS

Product Description
IP54 Rated – Intended for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed wireless equipment. The enclosure will also provide protection to wireless equipment against falling dirt, rain, sleet, snow and windblown dust. It supports all major wireless vendors including Cisco, 3Com, AirMagnet, Proxim, Symbol, Vivato and others.

Construction
• 1.4mm (16 gauge) steel
• Seams continuously welded and ground smooth
• Body flange trough prevents liquids and contaminants from entering the enclosure
• Seamless foam-in-place gasket provides oil-tight and dust-tight seal against contaminants
• Self-grounding latch system with double seal provides maximum protection against leakage

Finish
• Textured light gray polyester powder paint inside and out over phosphatized surfaces

Included Components
• Standard Universal Top Plate
• Pre-drilled Holes for Jumpers/Bulkhead Extenders
• Strain Relief
• Fan
• Heater
• Vents with Filters

TerraWave's Enclosures can be customized to fit our customers' unique requirements. Please contact a TerraWave account manager at +1.210.375.8482 for additional information and reseller discounts.