EnGenius

Datasheet

DuraFon PSL-BU

Long-Range Industrial Cordless Phone System Base Unit

The DuraFon PSL-BU is a single-line base for the DuraFon PRO system. It is an ideal solution when there is a need for an additional line or port to be added to the DuraFon PRO system. The DuraFon PSL base unit provides the same long-range coverage as the Durafon PRO system to allow users to enjoy having telephone access throughout a large, demanding environment.

As an expansion base for the PRO system the PSL can work behind a standard phone line, or analog ports from a PBX or IP-PBX. As part of the DuraFon PRO system, the DuraFon PSL can be part of an up to eight base unit system and support up to 90 handsets. It also is compatible with the DuraFon PRO, DuraWalkie and DuraFon UHF handsets.

Key Features

- Digital, long-range cordless base station
- Long-range coverage
- 1-line/port
- Multi-base capacity w/ DuraFon PRO
- 900MHz ISM band
- Optional external indoor / outdoor antenna
- Compatible handsets: DuraFon PRO, DuraWalkie & DuraFon UHF

Users may include:

- Retail Stores°
- Warehouses / Manufacturing facilities
- Hotels / Motels
- Theaters
- Equipment yards

Detail Features

- Long range: up to:
  - 12 floors in building penetration (office / motel)
  - 250,000 sq. ft. (warehouse / retail store)
  - 3,000 acres (farm / ranch)
- Frequency band: 902~928MHz
- Single line/port base of DuraFon PRO
- Multi-base (Up to 8 bases)
- Multi-handset (Up to 90 handsets)
- Intercom: Not available from base unit
- Broadcasting: Not available from base unit
- Works on analog CO lines or behind PBX analog ports
- Audio-in jack for music/sales message on hold
- Frequency hopping security: 100 times per second
- Digital spread spectrum (DSS) technology for privacy and clarity
- Optional indoor / outdoor antenna – sold separately
- One year limited warranty
- FCC/IC compliant

Technical Specifications

Frequency
902-928 MHz

RF Power
Peak: 708 mW ; Average: 304 mW

Channel Spacing
400 kHz

Modulation
MSK

Multiple Access
Frequency Hopping TDMA

Frequency Hopping Rate
100 per second

TDMA Frame Length
10 ms

Number of Slots/Frame
8

Antenna Gain
2 dBi
5dBi External (optional)

TX Power
708mW

Telephone Interface
RJ11x1

Speech Coding
8 kbps G.729A

Channel Coding
8 kbps Convolutional + CRC

Transmission Data Rate
170.678 kbps

User Data Rate
128 kbps duplex

Duplex
Time Division Duplex (TDD)

Voice Quality
TIA/EIA-470B

No. of System ID
65,535

Ring Signal
20-50 Hz, 12-90 Vrms

Auto-Attendant Coding
8 kbps G.729

Flash Time
100-900 ms programmable

Power Source
100~240V/12V AC/DC Adapter

Charger Current
NA

Charge Time
NA

Regulation Compliance
FCC Part 15, Part 68

Operating Temperature
0~50C

Storage Temperature
-10~70C

Humidity
20~75%

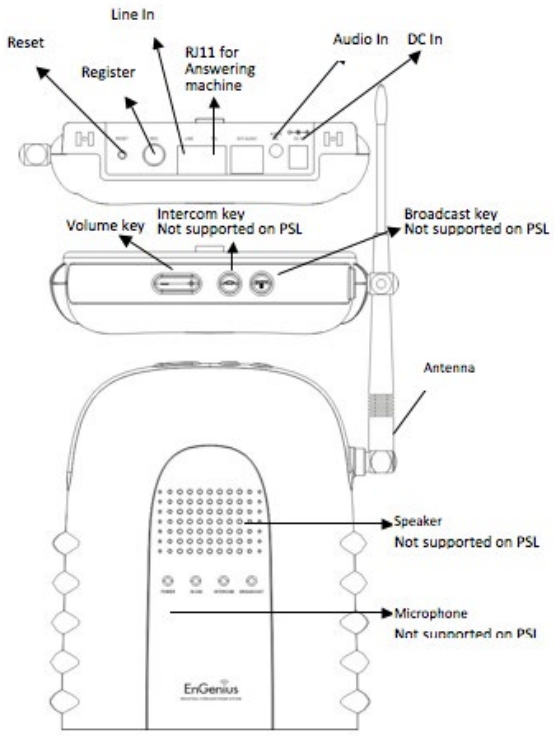
Storage Temperature
-10~70C

Humidity
20~75%

Dimension Without Antenna
161W x42D x 188H (mm)

Weight
424g

Physical Interface



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