



## Ascom® Freeset DCT1900<sup>Mini+</sup> compact radio exchange

### FEATURES

- Operates in the UPCS frequency band
- Connects a maximum of 40 analog subscriber lines, providing wireless access for up to 40 users
- Connects up to eight BS330 base stations with a coverage radius of 100 feet inside and 1,000 feet line-of-site outside
- Industry standard modular connector, making installation quick and easy
- Easy system maintenance and administration through the Windows® based CSM software
- Integrated power supply

The Ascom Freeset DCT1900<sup>Mini+</sup> compact radio exchange provides all the advantages of mobility by adding value to the existing communications investment as an add-on to any Key Telephone System (KTS) or Private Branch Exchange (PBX).

### General

The compact radio exchange offers an attractive solution for businesses that require a small size on-site wireless telephony system. The compact radio exchange cabinet can accommodate up to five LTU boards, providing a maximum of forty analog lines with a simple set up and installation process.

### Base stations

A maximum of eight BS330 base stations can be connected to the radio exchange via RJ45 modular jacks. The base stations are locally powered by the compact radio exchange cabinet. Additionally, the cable delay is measured and compensated automatically.

### Portable handsets

The Freeset DCT1900<sup>Mini+</sup> compact radio exchange supports the Office T and Office M portable handsets.

### Connection to phone systems

The compact radio exchange is easily connected to a PBX or KTS via standard telecom cables with RJ11 modular jacks.

### Powering

The compact radio exchange has an integrated switching power supply which powers the radio exchange and up to eight base stations.

### System management

System management is performed via the Cordless System Manager (CSM). CSM is designed for the Windows® operating system and is connected via an RS232 interface to the Freeset DCT1900<sup>Mini+</sup> cabinet. CSM supports system set up, configuration and basic maintenance functions.

### Available product documentation

- Portable Handset User's Guide
- Installation and Maintenance Guide
- CSM On-line Help Files

### Building blocks

The compact radio exchange consists of a cabinet, a main board, and a power supply. LTU boards are added separately, depending on the number of users.



On-site wireless communication for quicker response

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### Cabinet

The cabinet is the metal housing for all components mentioned above. The cabinet consists of a back plate and a removable front cover. The cabinet is shipped wall mountable. Rack mounting is possible with additional brackets.

### Main board

The main board consists of a central processing unit, sixteen speech processing circuits, and eight cell link circuits. It can handle sixteen simultaneous calls and a maximum of eight base stations. The board performs automatic cable delay measurement of the base station cables. The main board has five slots for the LTU boards and two RS232 ports.

One RS232 port is used to connect a computer for system maintenance and administration. The second RS232 port is used to connect a printer for logging events or to connect an Ascom Integrated Messaging Server.

### Power supply

The integrated switching power supply is designed for input power ranging from 100 to 240 Vac, 50-60 Hz. The power supply powers the radio exchange and a maximum of eight base stations.

### Line Termination Unit

The LTU board provides eight analog connections to any KTS or PBX.

#### Freeset DCT1900<sup>Mini+</sup> compact radio exchange specifications

|                             |                                   |
|-----------------------------|-----------------------------------|
| Dimensions                  | 16.5" x 7.3" x 16.5"              |
| Weight                      | 22 lbs (includes 5 LTU boards)    |
| Housing material            | Zinc plated steel sheet           |
| Color of cabinet            | White, RAL 9010                   |
| Application information     | Indoor use only, wall mounted     |
| Enclosure class             | IP 20                             |
| LTU boards                  | 5                                 |
| Portable handsets supported | 40                                |
| Base stations supported     | 8                                 |
| Distance to base station    | 6230ft.(22GA. 15pF/ft. with 1EPP) |
| Operating temperature       | 32°F to 104°F                     |
| Storage temperature         | -40°F to 158°F                    |
| Relative humidity           | 20 to 80%, non condensing         |
| Power consumption           | 100 W                             |
| DTMF dialing frequencies    | According to CCITT Rec. Q.23      |
| Safety standard             | UL Listed 60950                   |
| EMC standard                | FCC Part 15, Class A              |

Specifications subject to change without notice.