

Central Portable Device Manager - CPDM3



Central Portable Device Manager (CPDM3)

The CPDM3 is the platform for centralized services for cordless users and DECT terminals. Through the Device Management application, system administrators can now easily manage an entire site either from a central or remote location.

Administering end-user devices is always a challenge, especially when the devices are non-stationary/mobile. With the Device Management application in the CPDM3, administrators have the tool for configuring cordless phones, administering personal settings – including contact data – and backing up all portable devices in the system. Management of portable devices can be conducted one-by-one or in groups. For systems with integrated DECT, the CPDM3 requires connection of the Desk PDM Chargers and/or Rack PDM Chargers to the LAN. Via the LAN connection, administrators can keep track of the software versions in the phones and even download new software versions. Software changes can be scheduled and implemented when users next time dock their phones to a PDM charger. For systems using IP DECT base stations, management of the phones, including software downloads, can be carried out both “over-the-air” or via a PDM charger.



CPDM3

For the users to be efficient in their communications, the ability to easily contact colleagues and business associates is of fundamental importance. The DECT cordless phones have built-in functionality for storing and managing contact information. For many organizations, however, the local phone book is not enough, and keeping it up to date requires extra work.

With the Central Phonebook service in the CPDM3, an administrator can either place a centrally maintained directory database on the CPDM3, or link the CPDM3 to an Mitel CMG directory or an external directory database using LDAP. For end-users, the directory alternatives will be transparent. This means that end-users will always be able to search in a phone book that is up to date.

CPDM3 enables SMS (Short Message Service) text messaging in the DECT systems. With this service, cordless phones in a system can send text messages to one another. In addition, there is also the NetPage service that permits authorized users to send text messages from a web page directly to the DECT cordless phones.

The text messaging service can be expanded to handle alarm messages, generated either from certain phones or from applications that can be integrated via open interfaces to the CPDM3. In the latter case, the CPDM3 controls alarms, sends predefined messages to certain groups of users and even tracks delivery and acknowledge of the alarm messages.

- Device Management includes:
 - Configuration of devices
 - Software version management
 - Scheduled upgrades of device software
 - Database for storing all device settings including personal contacts
- Web access
- Remote management of CPDM3 via IP communications, directly or via the built-in PPP server
- Group handling for message services
- Support for phone configuration templates for easy deployment and optimization to suit different users' needs
- Easy replacement of the device
- Central phone book, built-in or via LDAP/ODBC
- SMS handset to handset
- Web-based tool for sending SMS text messages to handsets
- Fault logging
- Programmable fault actions
- Supports licensed features:
 - Basic Alarm Management (BAM)
 - One serial messaging protocol ESPA/TAP
 - IP-based Open Access Protocol (OAP)
- Runs on Elise 3 hardware
- Supports additional modules (up to 15 units):
 - AM8, interface for 8 alarm connectors
 - AM32, interface for 32 alarm connectors
 - I/O interface for output connectors

Basic Features Supported by CPDM3

- Software application for managing devices such as:
 - Handsets
 - Desk PDM Charger
 - Rack PDM Charger



Central Portable Device Manager (CPDM3) - back side

Embedded Linux Server - Elise3

TECHNICAL SPECIFICATION

OPERATING SYSTEM

- Linux: Kernel 2.6.35

PHYSICAL

- Dimensions (h x w x d): 44 x 220 x 199 mm
- Weight: 1520 g
- Material: Sheet metal/plastic
- Color: Dark grey

FUNCTIONAL

- Supply voltage:
 - 100 - 240 V AC +20 %
 - 12 - 24 V DC (-25% and +20 %)
- Max. current consumption:
 - 275 mA (100 - 240 V AC)
 - 1 A (12 V DC)

ENVIRONMENTAL

- Operating temperature: 0 °C to +40 °C
- Storage temperature: -25 °C to +55 °C
- Relative humidity: 30 - 80 % (no condensation)
- Enclosure protection: IP30
- Immunity to EM fields: 10 V/m
- Immunity to ESD:
 - 6 kV contact discharge
 - 8 kV air discharge

MEMORY

- SDRAM: 256 MB
- NAND flash: 1 GB (for application software)
- Serial data flash: 8 MB (for booting purposes)
- SD card for future use: 1 x slot for 1 GB SD card

ACCESSORIES

- Standard 19" rack kit for Elise3:
- Small left/right brackets for two front-mounted Elise3 units and one large bracket for one front-mounted Elise3 unit
- Reverse 19" rack kit for Elise3:
- Small brackets for two reverse-mounted Elise3 units and one large bracket for one reverse-mounted Elise3 unit
- Cable set for connection of BusinessPhone including adapter (RJ45 to D-sub9F)

FEATURES

- Embedded solid state server for Linux based applications (no fan). Designed for very high reliability
- Management via LAN or via mini-USB device port
- Tri-color LEDs for status and power indications
- Buttons for switching the operational mode and for controlled restart of the module
- Can be mounted side-by-side and back-to-back in 19" rack

SUPPORTED SYSTEMS

- MX-ONE (integrated DECT)
- Mitel 700
- BusinessPhone
- MD-Evolution
- IP-DECT

COMPLIANCE WITH INTERNATIONAL REGULATIONS AND STANDARDS

COMPLIANCE TO EUROPEAN REGULATIONS AND STANDARDS

- EU directives:
 - 2004/108/EC (EMC)
 - 2006/95/EC (LVD)
 - Eco Design 2005/32/EC
- EMC:
 - EN 55022:2007 (Class B)
 - EN 55024:2003
 - EN 60945:2002¹
 - EN 50121-3-2:2006
 - EN 60533:1999²
 - EN 60601-1-2:2004
- Safety:
 - EN60950-1:2006

US AND CANADIAN REGULATIONS AND STANDARDS

- EMC/Radio: FCC 47CFR Part 15, Subpart B
- Safety: CSA/UL 60950-1

COMPLIANCE WITH AUSTRALIAN REGULATIONS AND STANDARDS

- EMC: EN 55022 and EN 55024
- Safety: IEC 60950-1

¹12 - 24 V DC input should be used to meet the regulatory needs

²12 - 24 V DC input should be used on deck, bridge and in special power distribution zones (100 - 240 V AC input can be used in general power distribution zones) to meet the regulatory needs

TECHNICAL SPECIFICATIONS

HARDWARE

CPDM3	Elise3
Included	AC cord for EU, UK, US and Australia

PC REQUIREMENTS

Installation and administration	Windows Internet Explorer® 8.0 or later Mozilla Firefox® 3.6 or later Sun™ Java™ Runtime Environment (JRE) 6 or later
Screen resolution (min)	1024 x 768 pixels
Client browser	Windows Internet Explorer® 8.0 or later Mozilla Firefox® 3.6 or later Java applets must be enabled for messaging status and the Device Management application

LANGUAGES

Installation GUI	English
Operational GUI	English as standard, customized translation can be added

STORAGE CAPACITY

Max. storage on FTP area	150 MB (50 MB default, can be set from 5 MB up to 150 MB)
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ALARMS

Max. no. of triggers	250
Max. no. of actions	250

I/O (INPUT/OUTPUT)

ELISE3 STANDARD

USB PORTS

USB host port 2.0 full speed	2
Mini-USB_B device port 2.0 full speed	1

LAN

10/100 base-T modular jack, RJ 45 (one for future use)	2
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SERIAL PORTS

RS232 (D-sub-9 male connectors), used for external interfaces ESPA, Ascom line protocol, TAP, etc. (one port for future use)	1 (+1)
Modular jacks (RJ45) used for System 900 A-bus	2
Screw terminal used for System 900 A-bus	1

AUX INPUTS

Digital inputs	2
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AUX OUTPUTS

Galvanically isolated open collector outputs, 100 mA, 30 V DC	2
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ERROR RELAY OUTPUT

Configurable solid relay - make/break operation, used for fault actions and error indications, 100 mA, 30 V DC	1
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POWER SUPPLY

Screw terminal for 12 - 24 V DC external power supply, or 12 V DC lead battery, max. 10 Ah	1
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