HiGain ETSI

Exchange Office Management Unit
Software Release Notes – Version 3.43

Model	List Number	Part Number
EMU-830	1	150-1440-01
EMU-830	2	150-1440-02
EMU-830	3	150-1440-03

Section 190-800-128-01

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Revision History of This Practice

Revision	Release Date	Revisions Made
01	April 19, 2000	Initial release

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SOFTWARE RELEASE OVERVIEW

Description

This document describes the new features, bug fixes, known remaining bugs, and compatibility issues associated with release of the following software:

General Description: Exchange Office Management Unit Software
Version: 3.43
Checksum: 0x98A7
Release Date: February 9, 2000
File Name: muv34300.img

The previous release of software was:

Version: 3.30
Checksum: 0x2024
Release Date: 23 April 1999
File Name: muv33000.img

Product Application

This software can be used with the products listed in the following table.

Exchange Office Management Units Using Version 3.43 Software

Model Number	List	Part Number	Description
EMU-830	1	150-1440-01	Exchange Office Management Unit with Terminal Access Option (TAO) and Simple Network Management Protocol (SNMP)
EMU-830	2	150-1440-02	Exchange Office Management Unit with TAO, SNMP, and special reset
EMU-830	3	150-1440-03	Exchange Office Management Unit with TAO, SNMP, and external shelf clock backup circuit

New Features

EMU software Version 3.43 includes the following new features:

1 Support for Rate Selectable V.35 and G.703 line and desktop units with firmware Version 4.00.00 or higher.

2 Support for two low-power doublers (EDU-840 List 2).

3 Support for additional Motorola console port commands.

Bug Fixes

All bugs that have been corrected since the previous software release, Version 3.30, are listed below along with the corrective action that was taken to fix the problem for the current release, Version 3.43.

1 Corrected garbled TAO display that followed rapid keyboard entries.

2 Corrected problem in NTU-HDSL loopback mode when the MIB item `PgETSILoopBackPosition` would display REG 1 (Regenerator 1) instead of NTU.

3 Corrected EMU failure to assert DSR (Data Set Ready) in XMODEM download recovery mode.

4 Corrected intermittent console port lockup in TAO mode and improved autrobaud logon.

Notice for Users

The EMU will occasionally reject the setting of a new loopback configuration from a SNMP set command. The reason for this is that the new loopback configuration is conflicting with a previous loopback configuration. The corrective action is to clear the previous loopback configuration, then set the new loopback configuration.

BACKWARD COMPATIBILITY AND UPGRADES

Compatibility with Previous HDSL Unit Firmware and GUI Software

EMU software Version 3.43 is backward compatible with all Version 2.xx and later HDSL unit firmware and Version 1.x GUI software. However, to use all the new features added to EMU software Version 3.43, the following versions (or later) of HDSL firmware and GUI software are needed.

- Standard HDSL line units: HDSL unit firmware Version 3.20
- Rate selectable HDSL units: HDSL unit firmware Version 4.00
- T1 line units: HDSL unit firmware Version 3.22
- SNMP GUI for HP OpenView for Windows: PGTMS/HGIS software Version 1.20

Compatibility with Previous Versions of SNMP MIBs

This version of EMU software (3.43) requires the current release of SNMP MIB files to support Rate Selectable line units. A new MIB item has been added to support Nx64k port configuration and a new MIB table to show all line units in a shelf.

The MIB files for EMU software Version 3.43 are identified in the following list. The MIB files should be compiled in the order listed.

- `RFC1213.mib` - Standard MIB — Resident on SNMP software package
- `pgmibhd.mib` - PairGain Common MIB — Release 1.1 Revision 05/21/97
- `pgetsi.mib` - PairGain ETSI Interface MIB — Release 1.6 Revision 01/05/99
- `pghdsl.mib` - PairGain HDSL MIB — Release 1.2 Revision 06/24/97
- `pgagtmib.mib` - PairGain SNMP Agent MIB — Release 1.1 Revision 05/21/97
- `pgetsitr.mib` - PairGain ETSI SNMP Trap MIB — Release 1.2 Revision 01/08/98

The Release version number and Revision date can be seen by viewing the MIB files with a standard text editor.

Upgrade Methods

From Version 1.1. EMU-830 management units running software Version 1.1 must be upgraded by replacing the two PROM chips on the board. These chips may be ordered from PairGain as part of the EMU-830 Management Unit Software Upgrade Kit (part number 150-1491-01). This kit includes the following:

- EMU-830 Firmware Upgrade PROMs
- EMU-830 Technical Practice, 700-030-100-xx
- SNMP MIB Diskette
- HDSL Unit Firmware Diskette

Version 2.xx or Later. EMU-830 management units running software Version 2.xx or later may be upgraded either by replacing the PROM chips (described above) or by performing a firmware download using a maintenance terminal or PC with a terminal emulation program. The Version 3.43 image file (`muv34300.img`) may be downloaded from the Customer Site portion of the PairGainWeb site at http://www.pairgain.com. A password is required. If you do not have a password, contact your PairGain sales representative.

The “Internet Access” section of the EMU-830 Technical Practice, Section 700-030-100-xx, describes how to perform the firmware download. This document can be downloaded from the Technical Manuals Web page at: www.pairgain.com. A password is required. If you do not have a password, contact your PairGain sales representative.

SAFETY AND EMC COMPLIANCE

The use of EMU software Version 3.43 will not change the safety or EMC characteristics of the EMU-830 management unit.

LIMITED WARRANTY

PairGain Technologies, Inc. (“PairGain”) warrants that, for a period of five (5) years from the date of shipment, the hardware portion of its Exchange Office Management Unit (EMU) products will be free of material defects and faulty workmanship, under normal use. PairGain's obligation, under this warranty, is limited to replacing or repairing, at PairGain's option, any such hardware product which is returned during the 5-year warranty period per PairGain's instructions and which product is confirmed by PairGain not to comply with the foregoing warranty.

PairGain warrants that, for a period of 90 days from the date of purchase, the software furnished with its products will operate substantially in accordance with the PairGain published specifications and documentation for such software. PairGain’s entire liability for software that does not comply with the foregoing warranty and is reported to PairGain during the 90-day warranty period is, at PairGain’s option, either (a) return of the price paid or (b) repair or replace of the software. PairGain also warrants that, for a period of thirty (30) days from the date of purchase, the media on which software is stored will be free from material defects under normal use. PairGain will replace defective media at no charge if it is returned to PairGain during the 30-day warranty period along with proof of the date of shipment.

The transportation charges for shipment of returned products to PairGain will be prepaid by the Buyer. PairGain will pay transportation charges for shipment of replacement products to Buyer, unless no trouble is found (NTF), in which case the Buyer will pay transportation charges.

PairGain may use reconditioned parts for such repair or replacement. This warranty ***does not*** apply to any product which has been repaired, worked upon, or altered by persons not authorized by PairGain or in PairGain's sole judgment has subjected to misuse, accident, fire or other casualty, or operation beyond its design range.

Repaired products have a 90-day warranty, or until the end of the original warranty period—whichever period is greater.

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