MMB OTME/OTBR Commissioning Code Label

Rev. 1

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Revision history

Version	Notes	Owner	Date
1	Initial Release	Bill O'Brien	24-Feb-2023
2	Rev. 1	Bill O'Brien	16-March-2023

Background

This document defines the contents and format of the Commissioning label found on the front panel of the MMB OTME product.

Label Purpose

The Commissioning label is intended to be machine/electronically-readable and provide the information required to a Thread commissioning application/workflow that will allow the device to be commissioned on/added to a Thread network. The label is positioned on the device such that it is viewable and can be scanned after the unit is mounted on a wall/ceiling.

Label Format

The Commissioning label is solely comprised of a Datamatrix (DM) code, following ISO/IEC 16022:2006 standard ("ECC200", "International symbology specification - Data matrix").

DM Code size	8x8mm
Error correction code	ECC200
High level encoding	ASCII
Print color	Black & White
Resolution	600dpi

Label Contents

The DM code contains the following data:

Code content (abbreviation / identifier[1])	**Data type**	**Length**	**Coding & clear text**	**Notes**
Production date (DATE / 16D)	Numeric	8	Product data (e.g.): 24-Feb-2023 Coding (e.g.): **16D**20230224	Coded date follows the convention YYYYMMDD
Thread Activation Key (TXT / 3Z)	Alphanumeric	48 (max)	Product data (e.g.): EUI-64 (prefix: "EUI:"), Hexadecimal format, 16 characters; Password (prefix: "P:"), All uppercase alphanumeric characters (0-9 and A-Y, excluding I, O, Q and Z for readability), with a length between 6 and 32 characters. Coding (e.g.): **3Z**EUI:0123456789ABCDEF.P:123456	Key-value pairs separated by a "."

1) Identifier codes are from ANSI MH 10.8.2 ("Data Identifier and Application Identifier Standard") specification.

Example

Contents

Coded

16D20221215+3ZEUI:0024460000185700.P:11LYN4LMN0EYN

Decoded

Production date: 15-Dec-2022

Device EUI: 0024460000185700

Device Thread Commissioning Password: 11LYN4LMN0EYN