

Emulex MCTP PLDM FRU

Revision 12.8.274.0

Overview

This document provides an indication of how current Emulex® branded Fibre Channel HBA firmware (starting with revision 12.6 U1) responds to inquiries described in the DMTF standard DSP0257 rev 1.0.0: Platform Level Data Model (PLDM) for FRU Data Specification. It can be used to properly interpret the responses of HBAs equipped with this firmware.

NOTE: Emulex retains the right, over time, to modify this table and/or to add additional FRU functionality. Any such changes shall be done in compliance with DSP0257. For example, an additional field might be added to one of the FRU record sets, causing the number of FRU fields to be incremented, and the additional field Type/Length/Value to be returned. To avoid misinterpretation of the data, users are encouraged to strictly follow DSP0257 guidelines on field counts and record lengths.

Table 1: MCTP PLDM FRU Record Table Definitions

Field			Value
FRU Record Set ID			0x0001 (Emulex-Specific Unique Number - for Generic PLDM: General FRU Record)
FRU Record Type			0x1 (General FRU Record)
Number of FRU Fields			14
Encoding Type for FRU Fields			0x01 (ASCII)
#	Type	Length	Value
1	0x01 (Chassis Type)	0x0	""
2	0x02 (Model)	0x0	""
3	0x03 (Part Number)	Length of Value string	"LPe32002" (example)
4	0x04 (Serial Number)	Length of Value string	"<serial number>"
5	0x05 (Manufacturer)	8	"BROADCOM"
6	0x06 (Manufacture Date)	13	"2019-05-04-18" (example)
7	0x07 (Vendor)	8	"BROADCOM"
8	0x08 (Name)	Length of Value string	"LPe32002" (example)
9	0x09 (SKU)	0x0	""
10	0x0A (Version)	2	"<version>"
11	0x0B (Asset Tag)	0x0	""
12	0x0C (Description)	Length of Value string	"Emulex LPe32002 2-Port 32Gb Fibre Channel Adapter" (example)
13	0x0D (Eng Change Lvl)	0x0	""

Table 1: MCTP PLDM FRU Record Table Definitions (Continued)

Field			Value
#	Type	Length	Value
14	0x0E (Other_Info)	Length of Value string	"<string>" (for Emulex use)
FRU Record Set ID			0x0003 (Emulex-Specific Unique Number - for Emulex PLDM FRU Table - CHIP)
FRU Record Type			0xFE (OEM FRU Record)
Number of FRU Fields			3
Encoding Type for FRU Fields			0x01 (ASCII)
#	Type	Length	Value
1	0x01 (Vendor IANA)	4	0x0000006C
2	0x02 (OEM)	Length of Value string	"FW Version: 12.6.192.11" (example)
3	0x03 (OEM)	Length of Value string	"PCIe Link Speed: XXX" (example)
FRU Record Set ID			0x0004 (Emulex-Specific Unique Number - for Emulex PLDM FRU Table - Port 0)
FRU Record Type			0xFE (OEM FRU Record)
Number of FRU Fields			8
Encoding Type for FRU Fields			0x01 (ASCII)
#	Type	Length	Value
1	0x01 (Vendor IANA)	4	0x0000006C
2	0x81 (OEM)	12	"Port Name: 0" (name dependent on SKU)
3	0x82 (OEM)	13	"Link Type: FC"
4	0x83 (OEM)	22	"WWNN: 20000000C9142356" (example)
5	0x84 (OEM)	22	"WWPN: 10000000C9142356" (example)
6	0x85 (OEM)	30	"Factory WWNN: 20000000C9142356" (example)
7	0x86 (OEM)	30	"Factory WWPN: 10000000C9142356" (example)
8	0x87 (OEM)	Length of Value string	"FC Link Speed Capabilities: 32/16/8" (example)
FRU Record Set ID			0x0005 (Emulex-Specific Unique Number - for Emulex PLDM FRU Table - Port 1) (if present)
FRU Record Type			0xFE (OEM FRU Record)
Number of FRU Fields			8
Encoding Type for FRU Fields			0x01 (ASCII)
#	Type	Length	Value
1	0x01 (Vendor IANA)	4	0x0000006C
2	0x81 (OEM)	12	"Port Name: 1" (name dependent on SKU)
3	0x82 (OEM)	13	"Link Type: FC"
4	0x83 (OEM)	22	"WWNN: 20000000C9142357" (example)
5	0x84 (OEM)	22	"WWPN: 10000000C9142357" (example)
6	0x85 (OEM)	30	"Factory WWNN: 20000000C9142357" (example)
7	0x86 (OEM)	30	"Factory WWPN: 10000000C9142357" (example)
8	0x87 (OEM)	Length of Value string	"FC Link Speed Capabilities: 32/16/8" (example)

Table 1: MCTP PLDM FRU Record Table Definitions (Continued)

Field			Value
FRU Record Set ID			0x0006 (Emulex-Specific Unique Number - for Emulex PLDM FRU Table - Port 2) (if present)
FRU Record Type			0xFE (OEM FRU Record)
Number of FRU Fields			8
Encoding Type for FRU Fields			0x01 (ASCII)
#	Type	Length	Value
1	0x01 (Vendor IANA)	4	0x0000006C
2	0x81 (OEM)	12	"Port Name: 2" (name dependent on SKU)
3	0x82 (OEM)	13	"Link Type: FC"
4	0x83 (OEM)	22	"WWNN: 20000000C9142358" (example)
5	0x84 (OEM)	22	"WWPN: 10000000C9142358" (example)
6	0x85 (OEM)	30	"Factory WWNN: 20000000C9142358" (example)
7	0x86 (OEM)	30	"Factory WWPN: 10000000C9142358" (example)
8	0x87 (OEM)	Length of Value string	"FC Link Speed Capabilities: 32/16/8" (example)
FRU Record Set ID			0x0007 (Emulex-Specific Unique Number - for Emulex PLDM FRU Table - Port 3) (if present)
FRU Record Type			0xFE (OEM FRU Record)
Number of FRU Fields			8
Encoding Type for FRU Fields			0x01 (ASCII)
#	Type	Length	Value
1	1 (Vendor IANA)	4	0x0000006C
2	0x01 (Vendor IANA)	12	"Port Name: 3" (name dependent on SKU)
3	0x81 (OEM)	13	"Link Type: FC"
4	0x82 (OEM)	22	"WWNN: 20000000C9142359" (example)
5	0x83 (OEM)	22	"WWPN: 10000000C9142359" (example)
6	0x84 (OEM)	30	"Factory WWNN: 20000000C9142359" (example)
7	0x85 (OEM)	30	"Factory WWPN: 10000000C9142359" (example)
8	0x86 (OEM)	Length of Value string	"FC Link Speed Capabilities: 32/16/8" (example)

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