

EEPROM Values for Siemon SFP+ to SFP+ Passive Copper Cables

3/1/2010

Data Address	Name of Field	SFP+ to SFP+ (hex)	Notes and additional Description
0	Identifier	03	03h = SFP or SFP plus
1	Extended ID for transceiver	04	04h = GBIC/SFP function defined by 2-wire interface ID only
2	Connector type	21	21h = Copper pigtail
3	10G Ethernet ,InfiniBand compliance codes	01	01h= 1X Copper passive InfiniBand compliance (note: The only available 10G options per SFF-8472 are for fiber modules)
4-5	ESCON, SONET compliance codes	00	
6	100M,1G Ethernet compliance codes	04	04h = 1000BASE-CX
7	Fibre Channel Technology compliance codes	41	41h = Short distance, electrical inter-enclosure
8	Fibre Channel Technology, SFP+ cable technolgy codes	84	84h = electrical inter-enclosure, passive cable
9	Fibre Channel transmission media	80	80h = Twin axial pair
10	Fibre Channel speed	D5	D5h=1200/800/400/200/100 MBytes/sec
11	Encoding	00	00 = unspecified
12	Bit rate	67	Bit rate per lane in 100 Mb/s, 67h=103x100Mb or 10.3Gb, 64h =100x100Mb or 10Gb
13	Rate Identifier	00	00h = unspecified
14 - 17	Length (for various types of fiber)	00	
18	Length (cable)	meters	Length in Meters. 01h is used for cables < 1m. Fractional lengths are rounded up to the next integer length.
19	Length (OM3)	00	
20-35	Vendor name (ASCII)	53,69,65,6D,6F,6E, 20,20,20 ...	"Siemon" followed by spaces
36	Transceiver code (reserved)	00	
37-39	Vendor IEEE OUI	00,1E,62	Siemon's IEEE company identifier
40-55	Vendor PN (ASCII)	fill in Siemon PN	Extra bytes are filled with spaces (20h)
56-59	Vendor Rev (ASCII)	Product Rev	Siemon's product drawing revision number. Extra bytes are filled with spaces (20h)
60	Passive Cable Specification Compliance	01	01 = Compliance to SFF-8431, Appendix E
61	Passive Cable Specifcation Compliance	00	Unallocated
62	Unused	00	
63	CC_BASE check code	calculated value	A check code for Bytes 0-62 inclusive
64	Options (power level, linear receiver)	00	Not used for passive copper
65	Options (Tx_Disable, Tx_Fault, LOS)	00	Not used for passive copper
66	Bit Rate, max	00	Upper bit rate margin, units of %, not specified
67	Bit Rate, min	00	Lower bit rate margin, units of %, not specified
68-83	Vendor S/N (ASCII)	Siemon S/N	The serial number for the cable assembly
84-85	Date Code (ASCII) two low order digits of year	year of manufacture	2 digit year (ie 31h, 30h= 10 = 2010)
86-87	Date Code (ASCII) digits of month (01-12)	month of manufacture	30h, 31h = 01 = January, 30h,32h = 02 = February, etc
88-89	Date Code (ASCII) day of month (0-31)	day of manufacture	30h, 31h = 01 (1st day of the month)
90-91	Lot Code (ASCII) vendor specific or blank	00	Not used. Siemon uses S/N for traceability
92-94	Diagnostic Monitoring	00	Not implemented
95	CC_EXT check code	calculated value	A check code for Bytes 64-94 inclusive
96-127	Not being used	not used	
128-255	Reserved for SFF-8079	not used	

Custom EEPROM programming available. Contact Siemon for details.