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

8/19/2010

Data Adress	Name of Field	QSFP+ to QSFP+ (hex)	Notes and additional Description
0	Identifier	0D	Indicates QSFP+
1	Status Indicator - Reserved	00	
2	Status Indicator	02	Page memory,IntL Interrupt Output pin=1
3-106	Interupt flags, monitoring values, control bytes, masking bits	00	Not used for passive copper
107-118	Reserved	00	
119-126	Password Entry Function	00	Optional Password funtion. Not used by Siemon.
127	Page Select Byte	00	page 0 only
128	Identifier	0D	Indicates QSFP+
129	Extended identifier	00	Not used for passive copper
130	Connector	23	23h = no separable connector
131	Ethernet compliance	08 for IEEE 802.3ba compliant lengths. 00 for all others	08h = 40GBASE-CR4
132	SONET compliance	00	
133	SAS/SATA compliance	00	
134	Gigabit Eternet compliance	00	
135-137	Fibre Channel link information	41, 80, 80	Short distance, inter-enclosure, intra-enclosure, twin axial pair
138	Fibre Channel speed	D5	100,200,400,800,1200 Mbytes/sec
139	Encoding	00	00h=unspecified
140	BR, Nominal	64	Bit rate per lane in 100 Mb/s, 64h =100x100Mb or 10Gb, 32h = 50x100Mb or 5Gb
141	Extended rate select compliance	00	Not used for passive copper
142-145	Length (for various types of fiber)	00	
146	Length (copper cable)	meters	Length in Meters. 01h is used for cables < 1m. Fractional lengths are rounded up to the next integer length.
147	Transmitter technology	A0	A0h = Copper cable, unequalized
148-163	Vendor name (ASCII)	53,69,65,6D,6F,6E, 20,20,20 …	"Siemon" followed by spaces
164	Infiniband Compliance codes	07	07h=QDR/DDR/SDR support 03h=DDR/SDR support
165-167	Vendor IEEE OUI	00,1E,62	Siemon's IEEE company identifier
168-183	Vendor PN (ASCII)	Siemon PN	Extra bytes are filled with spaces (20h)
184-185	Vendor Rev (ASCII)	Product Rev	Siemon's product drawing revision number. Extra bytes are filled with spaces (20h)
186	Attenuation at 2.5GHz	based on length/gage	in dB
187	Attenuation at 5.0GHz	based on length/gage	in dB
188-189	Wavelength Tolerance	00	Not used for passive copper
190	Max Case Temp	46	46h = 70 degrees C
191	CC_BASE check code	calculated value	A check code for Bytes 128-190 inclusive
192-195	Options	00	All set to 00h. These options are reserved for future use or typically not implemented for passive copper assemblies.
196-211	Vendor S/N (ASCII)	Siemon S/N	The serial number for the cable assembly
212-213	Date Code (ASCII) two low order digits of year	year of manufacture	2 digit year (ie 31h, 30h= 10 = 2010)
214-15	Date Code (ASCII) digits of month (01-12)	month of manufacture	30h, 31h = 01 = January, 30h,32h = 02 = February, etc
216-217	Date Code (ASCII) day of month (0-31)	day of manufacture	30h, 31h = 01 (1st day of the month)
218-19	Lot Code (ASCII) vendor specific or blank	00	Not used. Siemon uses S/N for traceability
220	Diagnostic Monitoring Type	00	Not used
221	Ehanced Options	00	Rate selection declaration and application select table declaration are not used
222	Reserved	00	
223	CC_EXT check code	calculated value	A check code for Bytes 192-222 inclusive
224-255	Vendor specific	not used	

Custom EEPROM programming available. Contact Siemon for details.