

XGSPON N2 & GPON C+ Combo SFP+

SFP+ Series

- SFP+ Package
- 4 Lambda
- 3.3V DC power supply
- SC receptacle optical connector
- Hot pluggable
- 2x10 SFP+ Electrical Interface



The XGSPON N2 & GPON C+ Combo SFP+ is a dual-mode optical transceiver that supports both next-gen XGSPON and legacy GPON in a single compact SFP+ module. Designed for smooth network evolution, it enables operators to serve GPON and XGSPON users simultaneously—without hardware changes.

Fully compliant with ITU-T G.984.5 (2014)/Amd.2 (10/2020) standards, this hot-pluggable module delivers high reliability, low power consumption, and excellent optical sensitivity. It integrates easily into major OLT platforms, supporting flexible deployments across a wide range of environments.

With the XGSPON N2 & GPON C+ Combo SFP+, service providers can cut upgrade costs, extend infrastructure lifespan, and accelerate rollout of ultra-fast broadband—all with one simple solution.

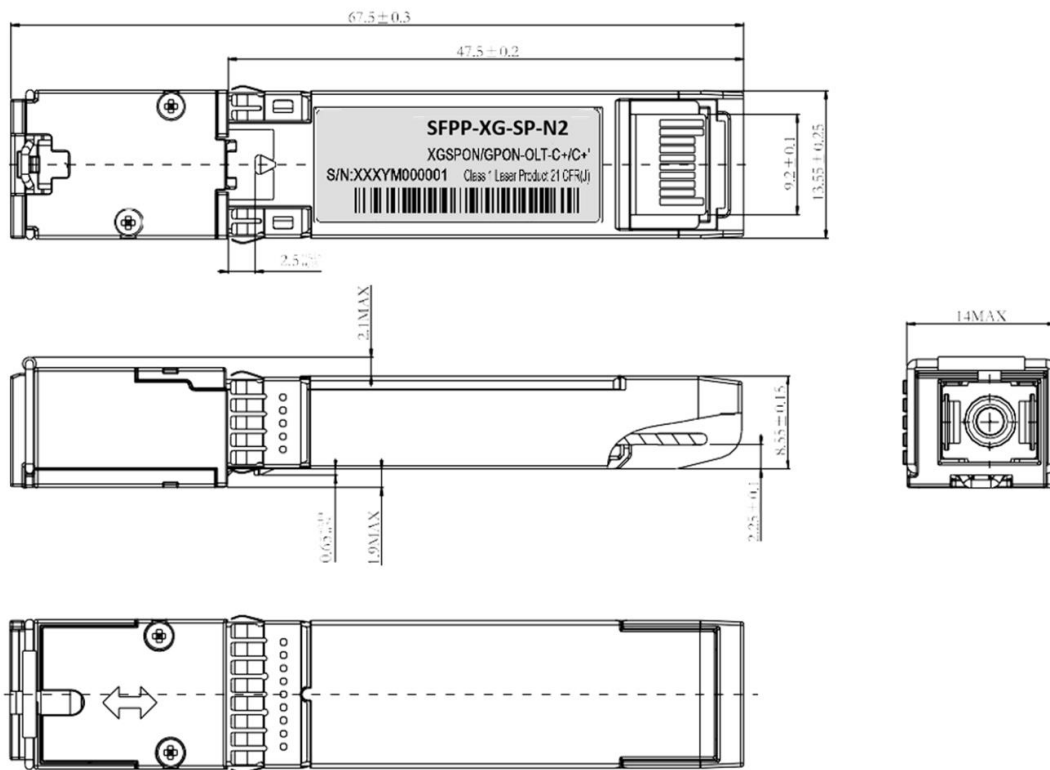
The transceiver is a combination of XGS-PON OLT and GPON OLT optical transceiver in an SFP+ housing. It is designed to support both the XGS-PON OLT and the GPON OLT specifications over a single fiber via coarse wave division multiplexing. The XGS-PON bidirectional link is configured with 1270nm/1577nm optics and the GPON link is configured with 1310nm/1490nm optics.

The 1270nm and 1310nm optical burst mode receivers incorporate APD/TIA optics for maximum sensitivity. The 10G transmitter incorporates a 1577nm EML laser assembly and the 2.5G transmitter incorporates a 1490nm DFB laser assembly. The transmitters can be controlled by the LVTTTL Tx_DISABLE function and the receivers incorporate the LVTTTL Rx_SD output. The transceiver is designed to support up to 32/64 subscribers over distances of up to 20km.

Key Features

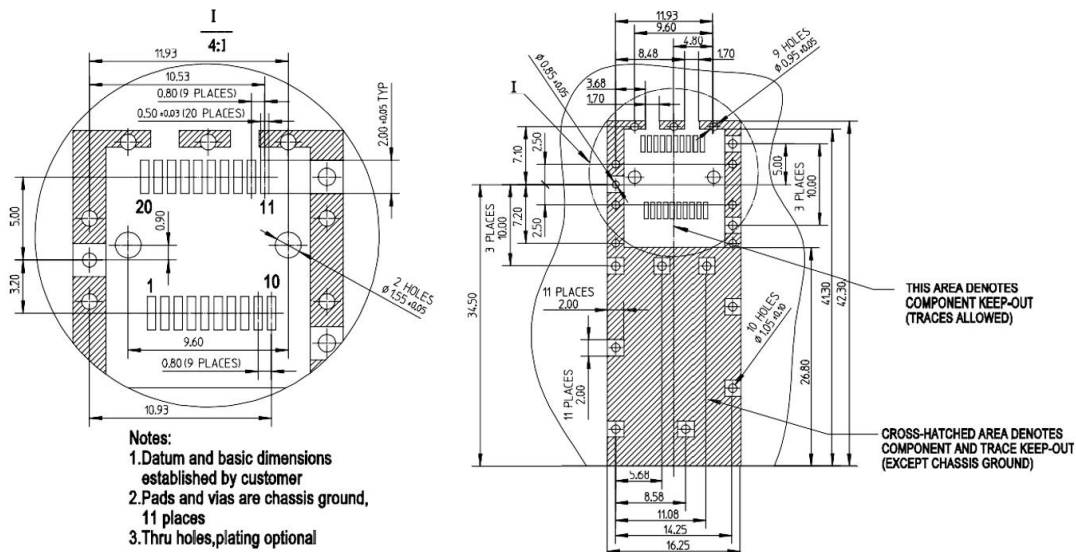
- SFP+ Package
- 3.3V DC power supply
- 4 Lambda
- SC receptacle optical connector
- Hot pluggable
- 2x10 SFP+ Electrical Interface
- ITU-T G.984.2 Class C+ compliant
- ITU-T G.987.2 Class C+ compliant
- ITU-T G.9807.1 Class C+ compliant
- 1577nm CW Mode EML
 - 9.95328Gb/s data rate
 - LVCML AC Coupled input
- 1490nm CW Mode DFB Laser
 - 2.48832Gb/s data rate
 - LVPECL AC Coupled input
- 1270nm Burst Mode APD/TIA receiver
 - 9.95328 or 2.48832Gb/s data rate
 - LVCML DC Coupled output
- 1310nm Burst Mode APD/TIA receiver
 - 1.24416Gb/s data rate
 - LVPECL DC Coupled output
- LVTTL Tx_Disable
- LVTTL Rx_SD_GPON
- LVTTL Rx_SD_XGS-PON
- LVTTL Rx_RSSI_Tri
- LVTTL Rx_Reset_GPON
- Tri-level Ratesel/Reset_XGSPON

Mechanical Diagram

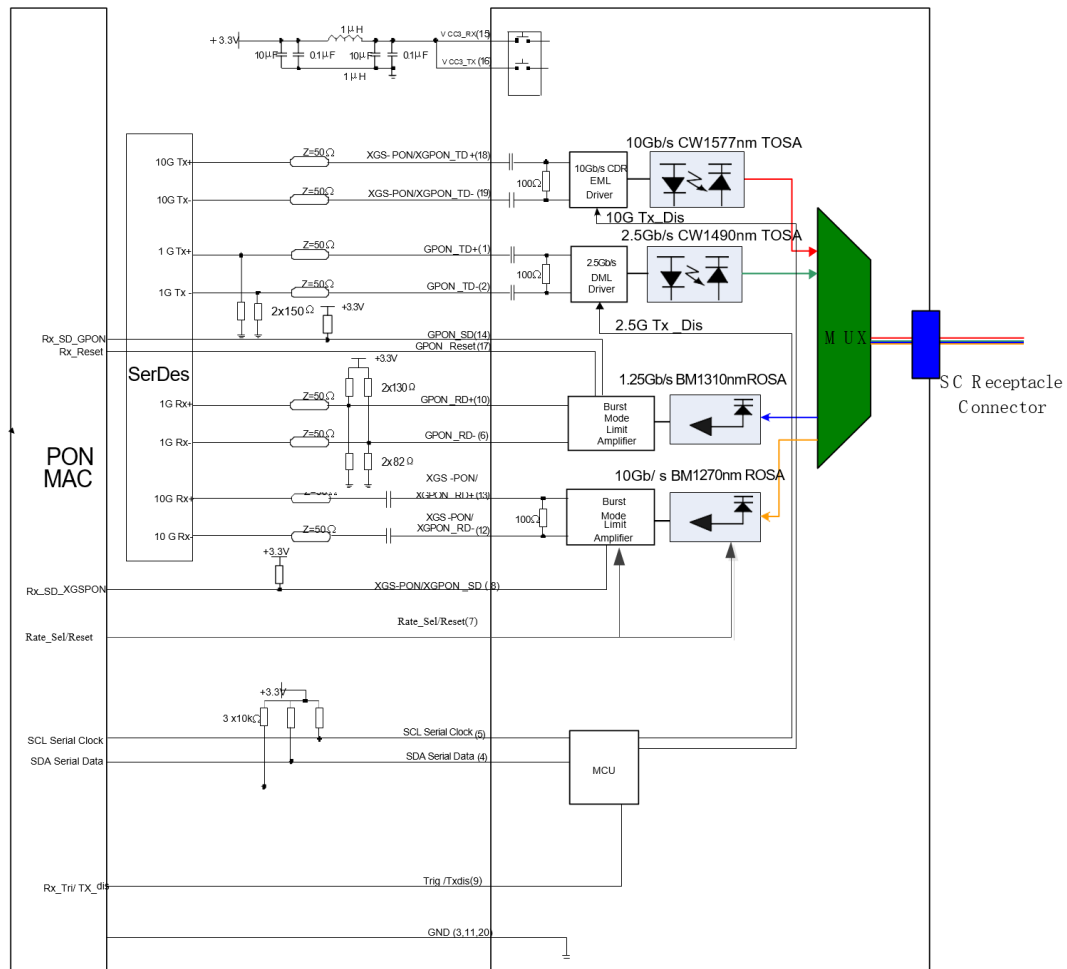


NOTES:
1.TOLERANCE: $\pm 0.1\text{MM}$
2.OTHERS ACCORDING WITH SFF-8074i/SFF-8432 OR CUSTOMER SPEC.
3.LIGHT PORT ACCORDING WITH FIBER CONNECTOR SPEC.

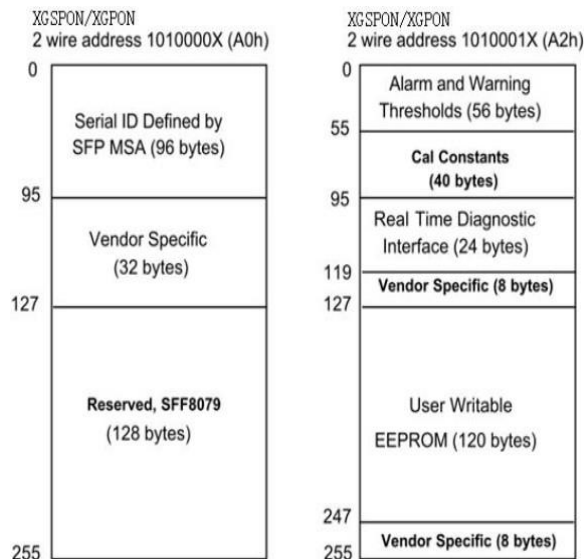
SFP+ Connector Dimensions

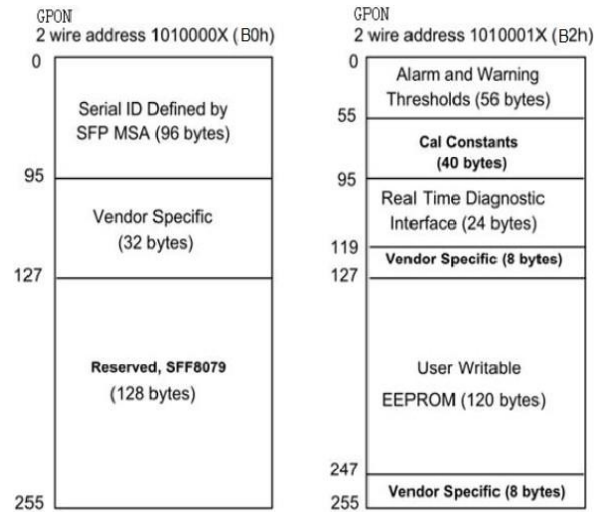


Electrical Interface



2-Wire Serial Memory Map





XGSPON/XGPON EEPROM serial ID memory contents (A0h)

Address	Bytes	Name	Description	Hex Value
0	1	Identifier	SFP Plus	03
1	1	Ext. Identifier	Serial ID module	04
2	1	Connector	SC connector	01
3-10	8	Transceiver	Combo OLT	00 00 00 00 00 00 00 00
11	1	Encoding	NRZ	03
12	1	BR Nominal	9.953 Gbps	64
13	1	Rate Identifier	Reserved	00
14	1	Length (SMF, km)	20km	14
15	1	Length (SMF)	10km	C8
16	1	Length (50um)	Not support	00
17	1	Length (62.5um)	Not support	00
18	1	Length (Copper)	Not support	00
19	1	Length (OM3)	Not support	00
20-35	16	Vendor Name	SFP vendor name (ASC II)	OEM
36	1	Transceiver	Unallocated	00
37-39	3	Vendor OUI	SFP vendor IEEE company ID	AC 4A FE
40-55	16	Vendor PN	Part number	LTF5308B-BCB+ LTF5308B-BHB+
56-59	4	Vendor Rev	Revision level for part number	Customized
60-61	2	Wavelength	1577nm	06 29
62	1	Unallocated		00
63	1	CC_BASE	Check code (0 to 62)	
64-65	2	Options	Cooled LD, power level 3, limiting receiver output	24
			TxDisable, TxFault, SD implemented	1C
66	1	BR, max	Upper bit rate margin, unit of %	00

Address	Bytes	Name	Description	Hex Value
67	1	BR, min	Lower bit rate margin, unit of %	00
68-83	16	Vendor SN	Serial number provided by vendor	
84-91	8	Date Code	Vendor's manufacturing date code	
92	1	Diagnostic Monitoring Type	Internal cal, Average power	68
93	1	Enhanced Options	Optional alarm/warning implemented. Soft TX_DIS, TX_FAULT implemented	E0
94	1	SFF Compliance		08
95	1	CC_EXT	Check code (64 to 94)	
96-127	32	Vendor Specific	Vendor Specific EEPROM	
128-255	128	Reserved		

GPON EEPROM serial ID memory contents (B0h)

Address	Bytes	Name	Description	Hex Value
0	1	Identifier	SFP Plus	03
1	1	Ext. Identifier	Serial ID module	04
2	1	Connector	SC Connector	01
3-10	8	Transceiver	Combo OLT	00 00 00 00 00 00 00 00
11	1	Encoding	NRZ	03
12	1	BR, Nominal	2.5Gbps	19
13	1	Rate Identifier	Reserved	00
14	1	Length (SMF, km)	20km	14
15	1	Length (SMF)	20km	C8
16	1	Length (50um)	Not support	00
17	1	Length (62.5um)	Not support	00
18	1	Length (Copper)	Not support	00
19	1	Length (OM3)	Not support	00
20-35	16	Vendor name	SFP vendor name (ASC II)	OEM
36	1	Transceiver	Unallocated	00
37-39	3	Vendor OUI	SFP vendor IEEE company ID	AC 4A FE
40-55	16	Vendor PN	Part number	SFPP-XG-SP-N2 SFPP-XG-SP-N2A
56-59	4	Vendor Rev	Revision level for part number	Customized
60-61	2	Wavelength	1490nm	05 D2
62	1	Unallocated		00
63	1	CC_BASE	Check code (0 to 62)	

Address	Bytes	Name	Description	Hex Value
64-65	2	Options	Uncooled LD, Power Level 2, 20 Limiting Receiver Output	
			TxDisable, TxFault, SD implemented	1C
66	1	BR, max	Upper bit rate margin, units of %	00
67	1	BR, min	Lower bit rate margin, units of %	00
68-83	16	Vendor SN	Serial number provided by vendor	
84-91	8	Date Code	Vendor's manufacturing date code	
92	1	Diagnostic Monitoring Type	Internal Cal, Average Power	68
93	1	Enhanced Options	Optional Alarm/warning implemented.	E0
			Soft TX_DIS, TX_FAULT implemented.	
94	1	SFF Compliance		08
95	1	CC_EXT	Check code (64 to 94)	
96-127	32	Vendor Specific	Vendor Specific EEPROM	
128-255	128	Reserved		

XGS-PON Real Time Diagnostic Registers (A2h)

Address	Bit	Name	Description
96	ALL	Temperature MSB	Internally measured module temperature. (-40 to +95°C)
97	ALL	Temperature LSB	
98	ALL	Vcc MSB	Internally measured supply voltage in transceiver. (3.0 to 3.6V)
99	ALL	Vcc LSB	
100	ALL	TX Bias MSB	Internally measured TX Bias Current, the bias current measured as 4uA, which reflect to 16 bits integer range: 0 to 262mA.
101	ALL	TX Bias LSB	
102	ALL	TX Power MSB	Measured TX output power. Range: -34 to +11.2dBm. Unit:0.2uW
103	ALL	TX Power LSB	
104	ALL	RX Power MSB	Measured RX input power. Range: -37 to +8.2dBm. Unit:0.1uW
105	ALL	RX Power LSB	
106	ALL	Reserved MSB	Reserved for 1st future definition of digitized analog input.
107	ALL	Reserved LSB	Reserved for 1st future definition of digitized analog input.
108	ALL	Reserved MSB	Reserved for 2nd future definition of digitized analog input.
109	ALL	Reserved LSB	Reserved for 2nd future definition of digitized analog input.

GPON Real Time Diagnostic Registers (B2h)

Address	Bit	Name	Description
96	ALL	Temperature MSB	Internally measured module temperature. (-40 to +95°C)
97	ALL	Temperature LSB	
98	ALL	Vcc MSB	Internally measured supply voltage in transceiver. (3.0 to 3.6V)
99	ALL	Vcc LSB	
100	ALL	TX Bias MSB	Internally measured TX Bias Current, the bias current measured as 4uA, which reflect to 16 bits integer range: 0 to 262mA.
101	ALL	TX Bias LSB	
102	ALL	TX Power MSB	Measured TX output power. Range: -34 to +11.2dBm. Unit:0.2uW
103	ALL	TX Power LSB	
104	ALL	RX Power MSB	Measured RX input power. Range: -37 to +8.2dBm. Unit:0.1uW
105	ALL	RX Power LSB	
106	ALL	Reserved MSB	Reserved for 1st future definition of digitized analog input.
107	ALL	Reserved LSB	Reserved for 1st future definition of digitized analog input.
108	ALL	Reserved MSB	Reserved for 2nd future definition of digitized analog input.
109	ALL	Reserved LSB	Reserved for 2nd future definition of digitized analog input.

Note: Converted analog values. Calibrated 16 bit data.

EEPROM A2 RSSI Selection

Address	Bit	Name	Description
118	7	RSSI Select	Writing "0" for XGS-PON/XGPON RSSI Monitor; Writing "1" for GPON RSSI Monitor. Default power up value is "0".
118	6	RSSI/TX_disable Select	When set "0" ,PIN9 input as TX_Disable input; When set "1", PIN9 as RSSI input. Default power up value is "0".
Register 118	Bit6	Bit7	Register 118 is used to control Hardware TX-Dis and RSSI switch.
TX-Disable Mode	0	X	GPON and XGSPON Hardware TX-Dis state is control by PIN9 input signal. When PIN9 is High level GPON and XGSPON Hardware TX-Dis state is disable, When PIN9 is LOW level GPON and XGSPON Hardware TX-Dis state is enable.
RSSI Mode	1	1	GPON RSSI is triggered by PIN9 . GPON and XGSPON Hardware TX-Dis state is always enable.
	1	0	XGSPON RSSI is triggered by PIN9. GPON and XGSPON Hardware TX-Dis state is always enable.

Note: When bit6 switch from 0 to 1,the module will maintain the Tx Disable Pin state before switching. That is, if the module is turn-off before switching, then it still turn off. When bit6 switch from 1 to 0,the module will not maintain the Trigger Pin state before switching.

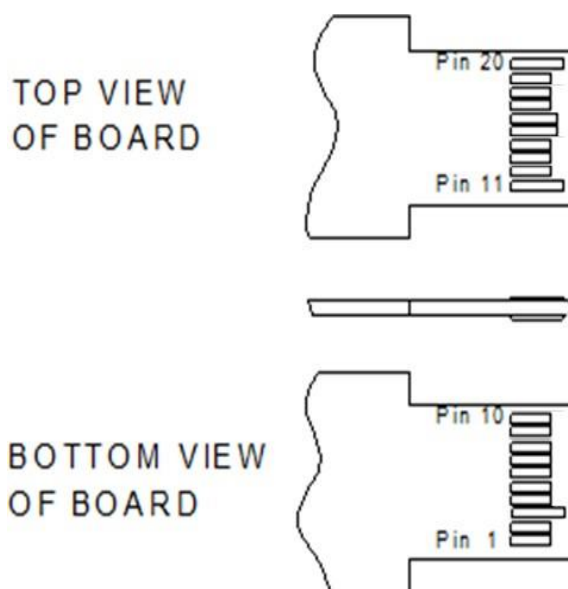
XGSPON OLT Laser Soft TX-Dis

Item	Description
Hardware TX-Dis state	A2h Register 110 Bit 6 (Soft TX-Disable control)
Enable	Read /Write Bit to control software disable laser. Write "0" enable XGSPON La-ser, write "1" disable XGSPON Laser.
Disable	The XGSPON laser is always off.

GPON OLT Laser Soft TX-Dis

Item	Description
Hardware TX-Dis state	B2h Register 110 Bit 6 (Soft TX-Disable control)
Enable	Read /Write Bit to control software disable laser. Write "0" enable GPON Laser, write "1" disable GPON Laser.
Disable	The GPON laser is always off.

Pin Function Definitions



Pin	Logic	Name	Description	Notes
1	GPON_TD+	Transmit Non-Inverted 2.48832Gb/s Data Input; AC coupled inside the module.	1	
2	GPON_TD-	Transmit Inverted 2.48832Gb/s Data Input; AC coupled inside the module.	2	
3	GND	Module Ground.	3	
4	SDA	2-Wire Serial Interface Data Line, with the pull-up resistance: 4.7kΩ to kΩ.	4	
5	SCL	2-Wire Serial Interface Clock, with the pull-up resistance: 4.7kΩ to 10kΩ.	5	
6	GPON_RD-	Receive Burst Mode Inverted 1.2488Gb/s Data Output; DC coupled inside the module.	6	1

Pin	Logic	Name	Description	Notes
7	Ratesel/Reset	Three-level input combining “Rate Select” and “Reset” information. Set high level to reset TIA/LA. Middle level indicates 2.5G data rate. Low level indicates 10G data rate.	7	
8	XGS-PON_SD	Receiver Signal Detect Indicator for XGS-PON/XGPON Receiver, when Low, indicates insufficient optical input power to the module; when High, means in normal. Two signals multiplex, which selected by the register.	8	
9	Trig/Txdis	Receiver signal strength indication trigger for Digital RSSI. As TXdisable, when Low level, the transceiver port work in normal; when High level, both 10Gb/s and 2.5Gb/s are disabled.	9	
10	GPON_RD+	Receive Burst Mode Non-Inverted 1.2488Gb/s Data Output; DC coupled inside the module.	10	1
11	GND	Module Ground.	11	
12	XGS-PON_RD-	Receive Burst Mode Inverted 9.953 or 2.48832Gb/s Data Output. DC coupled inside the module.	12	
13	XGS-PON_RD+	Receive Burst Mode Non-Inverted 9.953 or 2.48832Gb/s Data Output. DC coupled inside the module.	13	
14	GPON_SD	Receiver Signal Detect Indicator for G-PON Receiver. When Low, indicates insufficient optical input power to the module. When High, means in normal.	14	
15	VCC3_RX	+3.3V power supply for RX. Tolerance: 3.3V±5%.	15	
16	VCC3_TX	+3.3V power supply for TX. Tolerance: 3.3V±5%.	16	
17	GPON_Reset	Burst Mode Receiver Reset for GPON Receiver. When HIGH, indicates the receiver is OFF/being reset.	17	
18	XGS-PON_TD+	Transmit Non-Inverted 9.95328Gb/s Data Input; AC coupled inside the module.	18	
19	XGS-PON/_TD-	Transmit Inverted 9.95328Gb/s Data Input; AC coupled inside the module.	19	
20	GND	Module Ground.	20	

Note 1: When GPON_RD+/- set as LVPECL, and the module without the pull-down resistances. The differential signal amplitude must be satisfied with the Electrical Characteristics.

Specifications

Absolute Maximum Ratings

Parameter	Symbol	Min.	Max.	Unit	Note
Storage Ambient Temperature	T _{stg}	-40	+85	°C	1
Relative Humidity - Storage	RH _s	5	90	%	1
Relative Humidity - Operating	RH _o	5	85	%	1
Module Supply Voltage	V _{cc3}	0	3.6	V	1

Notes1: Exceeding the Absolute Maximum Ratings may cause irreversible damage to the device. The device is not intended to be operated under the condition of simultaneous Absolute Maximum Ratings, a condition which may cause irreversible damage to the device.

Absolute Maximum Ratings: Control Function Logic Levels

Parameter	Symbol	Min.	Max.	Unit	Note
Tx_DISABLE	Tx_Dis	0	V _{cc3} +0.5	V	LVTTTL
Burst Mode Signal Detect	Rx_SD	0	V _{cc3} +0.5	V	LVTTTL
Rx_Reset	Rx_Reset	0	V _{cc3} +0.5	V	Signal Ended LVTTTL input
Digital Rx_RSSI_Trigger Input	TRI	0	V _{cc3} +0.5	V	Single Ended LVTTTL Input
I ² C Serial Data	SDA	0	V _{cc3} +0.5	V	Single Ended LVTTTL I/O
I ² C Serial Clock	SCL	0	V _{cc3} +0.5	V	Single Ended LVTTTL Input

Recommended Operating Conditions

Parameter	Symbol	Min.	Typ	Max.	Unit	Note
Case Operating Temperature	T _{CASE}	0	-	+70	°C	SFPP-XG-SP-N2
		-40	-	+85		SFPP-XG-SP-N2A
Module Supply Voltage	V _{cc3}	3.135	3.3	3.465	V	
Module Supply Current	I _{cc3}	-	750	-	mA	
Power Consumption	P			3.5	W	

Transmitter Electrical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Tx Differential Input Impedence	Z _{IN}	90	100	110	Ω	
10Gb/s Tx Differential Input Amplitude	V _{IN10}	120	-	800	mV	
2.5Gb/s Tx Differential Input Amplitude	V _{IN1}	300	-	800	mV	
Tx_Dis = HIGH (Transmitter OFF / DISABLED)	V _{TDH}	2.0	-	V _{cc3}	V	LVTTTL (Control INPUT)
Tx_Dis = LOW (Transmitter ON / ENABLED)	V _{TDL}	0	-	0.8	V	LVTTTL (Control INPUT)

Receiver Electrical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Rx Differential Output Impedance	Z _{OUT}	90	100	110	Ω	
10Gb/s Rx_Data Differential Output Voltage Amplitude	V _{OUT10}	300	-	850	mV	LVCML
1.25Gb/s Rx_Data Differential Output Voltage Amplitude	V _{OUT1}	600	-	1600	mV	LVPECL
Rx_SD = HIGH (Receiver ON)	V _{OH}	2.0	-	V _{CC3}	V	LVTTTL (Monitor OUTPUT)
Rx_SD = LOW (Receiver OFF)	V _{OL}	0	-	0.8	V	LVTTTL (Monitor OUTPUT)
Ratesel/Reset=HIGH	V _{IH}	1.9	-	V _{CC3}	V	Tri-level (Control INPUT)
Ratesel/Reset=Middle	V _{IM}	1.2	-	1.6	V	Tri-level (Control INPUT)
Ratesel/Reset=LOW	V _{IL}	0	-	0.9	V	Tri-level (Control INPUT)
TRI=HIGH	V _{IH}	0.7*V _{CC3}	-	V _{CC3}	V	LVTTTL (Control INPUT)
TRI=LOW	V _{IL}	0	-	0.8	V	LVTTTL (Control INPUT)

9.95328Gb/s Transmitter Optical Characteristic

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions / Notes
Laser Type			1577nm CW EML			
Downstream Signal Rate			9.95328		Gb/s	
Average Launch Power	P _{OUT10}	5	-	8	dBm	
Optical Center Wavelength	λ ₁₀	1575	-	1581	nm	
Spectral Width	Δλ ₁₀	-	-	1.0	nm	
Side Mode Suppression Ratio	SMSR ₁₀	30	-	-	dB	
Extinction Ratio	ER ₁₀	8.2	-	-	dB	
Output Eye Diagram	Compliant with ITU-T G.987.2 & ITU-T G.9807.1					

2.48832Gb/s Transmitter Optical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions / Notes
Laser Type			1490nm CW DFB Laser			
Downstream Signal Rate			2.48832		Gb/s	
Average Launch Power	P _{OUT2}	3	-	7	dBm	
Optical Rise and Fall Time	T _r / T _f	-	-	200	ps	20% to 80%
Optical Center Wavelength	λ ₁	1480	-	1500	nm	
Spectral Width	Δλ ₁	-	-	1.0	nm	
Side Mode Suppression Ratio	SMSR ₁	30	-	-	dB	
Extinction Ratio	ER ₁	8.2	-	-	dB	
Output Eye Diagram	Compliant with ITU-T G.984.2					

9.95328/2.48832Gb/s Receiver Optical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Receiver Type			1270nm APD/TIA Receiver			
Upstream Signal Rate			9.95328/2.48832		Gb/s	
Optical Center Wavelength	λ	1260	-	1280	nm	
XGS-PON Receiver Sensitivity	P _{IN}	-	-	-29	dBm	1
XG-PON Receiver Sensitivity	P _{IN}	-	-	-30.5	dBm	2

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
XGS-PON Receiver Optical Overload*	$P_{IN(SAT)}$	-8	-	-	dBm	
XG-PON Receiver Optical Overload*	$P_{IN(SAT)}$	-10	-	-	dBm	
Damaged Input Optical Power	P_d	-	-	-5	dBm	
Rx_SD Assert	P_A	-45	-	-31	dBm	
Rx_SD De Assert	P_D	-45	-	-31	dBm	
Rx_SD Hysteresis	P_{Hy}	0.5	-	7	dBm	

Notes:

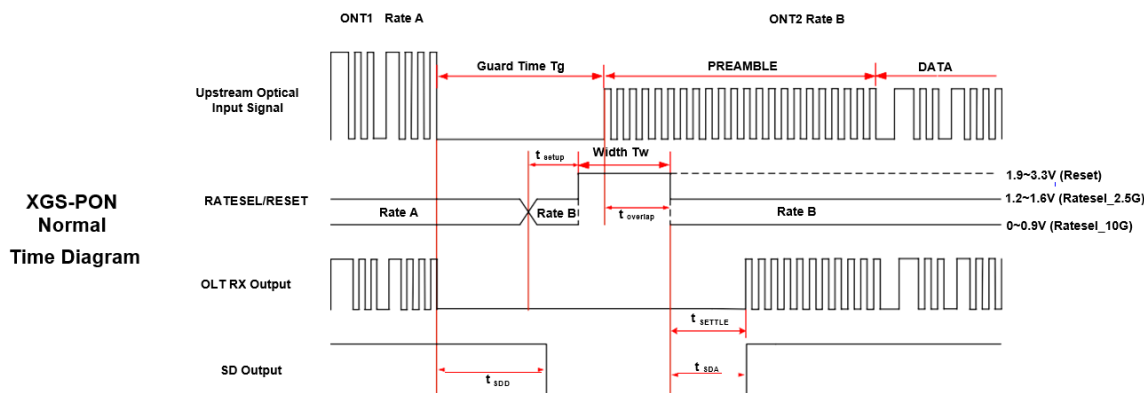
- 1: BER@ 10^{-3} *, Test Condition: PRBS: $2^{31}-1$, ER=6 dB.
- 2: BER@ 10^{-4} *, Test Condition: PRBS: $2^{23}-1$, ER=8.2 dB.

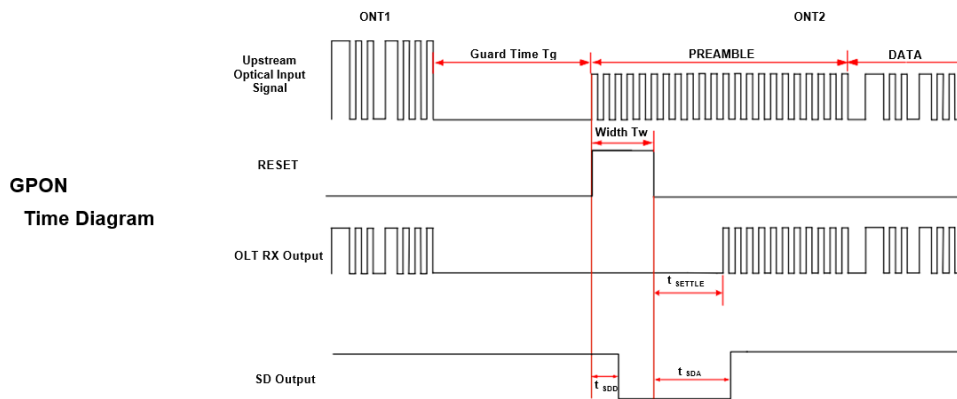
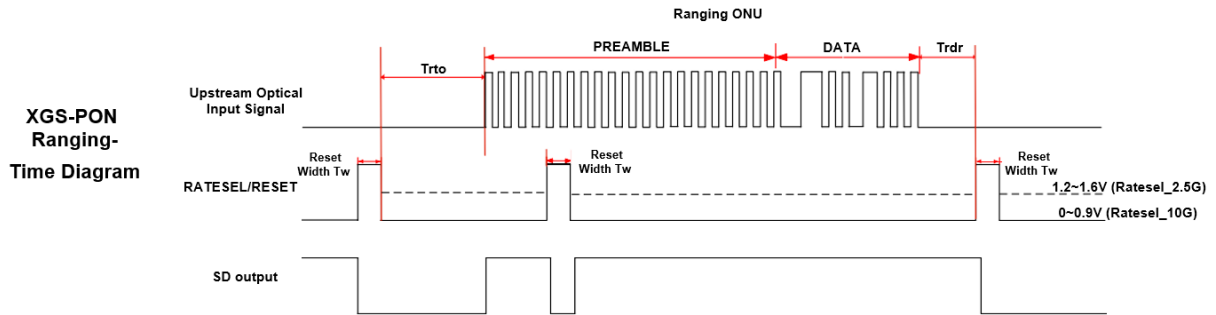
1.24416Gb/s Receiver Optical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Receiver Type		1310nm Burst APD/TIA Receiver				
Upstream Signal Rate			1.24416		Gb/s	
Optical Center Wavelength	λ	1290	1310	1330	nm	
Receiver Sensitivity	P_{IN}	-	-	-30	dBm	1
Receiver Sensitivity		-	-	-32	dBm	2
Receiver Optical Overload *	$P_{IN(SAT)}$	-12	-	-	dBm	
Damaged Input Optical Power	P_d	-	-	-5	dBm	
Rx_SD Assert	P_A	-45	-	-32.5	dBm	
Rx_SD De Assert	P_D	-45	-	-32.5	dBm	
Rx_SD Hysteresis	P_{Hy}	0.5	-	7	dB	

Notes:

- 1: BER@ 10^{-10} *, PRBS: $2^{23}-1$, ER=10dB.
- 2: BER@ 10^{-4} *, PRBS: $2^{23}-1$, ER=10dB.





Receiver Timing Diagram

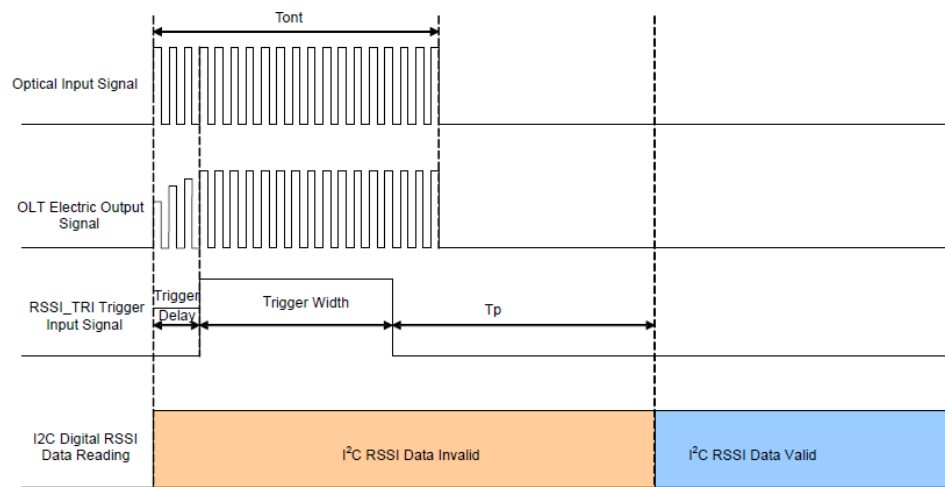
Parameter	Symbol	Min	Typ.	Max	Units	Notes
Guard Time (GPON)	Tg	25.6	-	-	ns	
Guard Time (XGS-PON)	Tg	51.2	-	-	ns	
Reset Pulse Width (GPON)	Tw	25.6	-	-	ns	
Reset Pulse Width (XGS-PON)	Tw	25.6	-	-	ns	1
Reset to Ranging ONU Optical Time	Trto	0			ns	
Reset Delay Time During Ranging	Trdr	0			ns	
Reset time overlapping preamble	t_overlap	0	-	-	ns	
Setup time of rate level for following burst	t_setup	5	-	-	ns	
Burst Signal Detect Assert (GPON)	T_SDA	-	-	25.6	ns	
Burst Signal Detect Assert (XGS-PON)	T_SDA	-	20	100	ns	
Burst Signal Detect De-assert (GPON)	T_SDD	-	12.8	25.6	ns	
Burst Signal Detect De-assert (XGS-PON)	T_SDD	-	-	100	ns	2

Parameter	Symbol	Min	Typ.	Max	Units	Notes
Burst Mode Receiver Setting Time (GPON)	Tsettle	-	-	25.6	ns	
Burst Mode Receiver Setting Time (XGS- PON)	Tsettle	-	100	-	ns	

Notes:

- 1: Reset pulse is required to be partially inside preamble.
- 2: Auto reset function is applied. Signal detect de-assert time is about 100ns forced by auto reset, and will short to about 20ns with external Reset pulse.

Digital RSSI Sample/Hold Timing



Parameter	Symbol	Min	Typ.	Max	Units	Notes
Optical Input Signal Width	T_{ont}	525	-	-	ns	
RSSI Trigger Delay	T_{tri} (TRI Delay)	25	-	3000	ns	
RSSI Trigger Width	T_{I2C} (TRI Width)	500	-	$T_{ont} - T_{tri}$	ns	
I2C Protect Time	T_p	500	-	-	μs	
RSSI Monitor Range	P_{mon}	-8	-	-29	dBm	XGS-PON
		-10	-	-31	dBm	XGPON
		-12	-	-32	dBm	GPON
RSSI Precision	P_{rsi}	-3	+/-2	3	dB	

Note:

- 1: $T_{tri} + T_{I2C} < T_{ont}$.

Ordering Information

Product Name

SFPP-XG-SP-N2

SFPP-XG-SP-N2A

Product DescriptionXGSPON & GPON Combo OLT SFP+ Optical Transceiver, N2 & C+, SC/UPC,
0°C~70°C, RoHS, 20 kmXGSPON & GPON Combo OLT SFP+ Optical Transceiver, N2 & C+, SC/UPC,
40°C~85°C, RoHS, 20 km

Contact Information

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