



CoEx Coexistence Element



A WDM module or coexistence element is designed to enable the implementation of gigabit passive optical network (GPON) evolutions to XGS-PON and NG-PON2.

Engineered for scenarios where services are already guaranteed using GPON but the deployment of different FTTH access technologies is desired, including Optical Time Domain Reflectometer (OTDR) signal too.

In other words, CoEx elements enable the convergence of multiple services over a common access network, allowing flexibility while saving on costs.

It's a plug and play solution for quick and easy handling and identification.

Features and Benefits

Device can include one or more WDM elements, depending on type

- Allows coexistence between XPON technologies and GPON, XGS-PON and NG-PON2
- OTDR signal also available
- Modules equipped with anti-dust shuttered adaptors and secure laser warning label
- Modules can be supplied in standard LGX box footprint or different and customised form factor

Applications

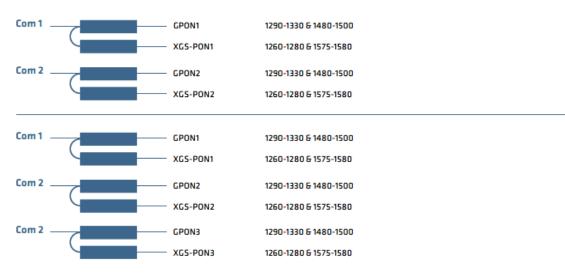
- FTTx
- Telecommunications
- XPON,GPON,XGS-PON,NG-PON2,OTDR

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Allows coexistence of GPON and XGS-PON technologies



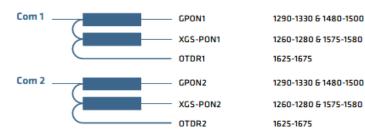
neters		
length (nm)	1290-1330 & 1480-1500	
velength (nm)	1260-1280 & 1575-1580	
type	G652D	
COM-> GPON	≤0.8	
COM-> XGS-PON	≤1.2	
COM-> GPON@ XGS-PON	≥30	
COM-> XGS-PON @ GPON	≥30	
(dB)	≤0.15	
dB)	≥50	
ity (dB)	≥50	
power (mw)	500	
nperature (°C)	-5~75	
perature (°C)	-40~90	
cor type	SC/APC	
BOX	180*130*28	
	ength (nm) relength (nm) type COM-> CPON COM-> CPON COM-> XGS-PON COM-> XGS-PON (COM->	

Product name	Product description	Part no.
CoEx Type 1	CoExistence of GPON and XGS-PON technologies	XCPSC03185





Allows coexistence of GPON and XGS-PON technologies and OTDR



Param	neters		
GPON wave	length (nm)	1290-1330 & 1480-1500	
XGS-PON wavelength (nm)		1260-1280 & 1575-1580	
OTDR	(nm)	1625-1675	
Fiber	type	G652D	
	COM-> GPON	≤0.8	
IL (dB)	COM-> XGS-PON	≤1.2	
	COM-> OTDR	≤1.2	
	COM-> GPON@ XGS-PON & OTDR	≥30	
Isolation (dB)	COM-> XGS-PON @ GPON & OTDR	≥30	
	COM->OTDR @ GPON&XGS-PON	≥15	
PDL	(dB)	≤0.15	
RL (dB)	≥50	
Directiv	ity (dB)	≥50	
Max optical	power (mw)	500	
Operating temperature (°C)		-5~75	
Storage temperature (°C)		-40~90	
Connector type		Com: LC/APC; Others: SC/APC	
LGX	BOX	180*130*28	

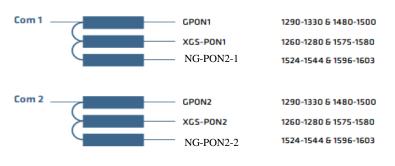
Product name	Product description	Part no.
CoEx Type 2	CoExistence of GPON and XGS-PON and OTDR	XCPSC03186







Allows coexistence of GPON -XGS-PON and NG-PON2 technologies



Param	ieters		
GPON wavelength (nm)		1290-1330 & 1480-1500	
XGS-PON wavelength (nm)		1260-1280 & 1575-1580	
NG-POM	12 (nm)	1524-1544 & 1596-1603	
Fiber	type	G652D	
	COM-> GPON	≤0.8	
IL (dB)	COM-> XGS-PON	≤1.2	
	COM-> NG-PON2	≤1.4	
	COM-> GPON @ XGS-PON & NG-PON2	≥30	
Isolation (dB)	COM-> XGS-PON @ GPON & NG-PON2	≥30	
	COM-> NG-PON2 @ GPON & XGS-PON	≥30	
PDL	(dB)	≤0.15	
RL (dB)	≥50	
Directiv	ity (dB)	≥50	
Max optical	power (mw)	500	
Operating temperature (°C)		-5~75	
Storage temperature (°C)		-40~90	
Connector type		SC/APC	
LGX	вох	180*130*28	

Product name	Product description	Part no.
CoEx Type 3	CoExistence of GPON –XGS-PON and NG-PON2	XCPSC02954

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Allows coexistence of GPON -XGS-PON and NG-PON2 and OTDR

Com 1	 XGS-PON1 XGS-PON2-1 1524-154- OTDR1 1625-1679 CPON2 1290-1330 XGS-PON2 1260-1280 	& 1480-1500 & 1575-1580 & 1596-1603
Paran	neters	
GPON wave	length (nm)	1290-1330 & 1480-1500
XGS-PON way	velength (nm)	1260-1280 & 1575-1580
NG-POI	N2 (nm)	1524-1544 & 1596-1603
OTDR	! (nm)	1625-1675
Fiber	type	G652D
	COM-> GPON	≤0.8
IL (dB)	COM-> XGS-PON	≤1.2
	COM-> NG-PON2	≤1.4
	COM-> OTDR	≤1.6
	COM-> GPON@ XGS-PON & NG-PON2&OTDR	≥30
Isolation (dB)	COM-> XGS-PON @ GPON& NG-PON2&OTDR	≥30
isolation (db)	COM-> NG-PON2 @ GPON&XGS-PON&OTDR	≥30
	COM-> OTDR @ GPON & XGS-PON& NG-PON2	≥15
PDL (dB)		≤0.15
RL (dB)		≥50
Directivity (dB)		≥50
Max optical power (mw)		500
Operating ten	nperature (°C)	-5~75
Storage tem	perature (°C)	-40~90
Connect	tor type	Com: LC/APC: Others: SC/APC
LGX	BOX	180*130*28

Product name	Product description	Part no.
CoEx Type 4	CoExistence of GPON -XGS-PON and NG-PON2 and OTDR	XCPSC02955

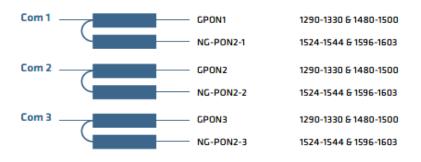


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Allows coexistence of GPON and NG-PON2



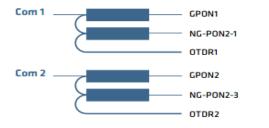
Parameters			
GPON wavelength (nm)		1290-1330 & 1480-1500	
NG-PON2 (nm)		1524-1544 & 1596-1603	
Fiber type		G652D	
u (4D)	COM-> GPON	≤0.8	
IL (dB)	COM->NG-PON2	≤1.2	
Isolation (dD)	COM-> GPON@ NG-PON2	≥30	
Isolation (dB)	COM-> NG-PON2 @ GPON	≥30	
PDL	(dB)	≤0.15	
RL ((dB)	≥50	
Directiv	rity (dB)	≥50	
Max optical	power (mw)	500	
Operating temperature (°C)		-5~75	
Storage temperature (°C)		-40~90	
Connector type		SC/APC	
LGX BOX		180*130*28	

	Product name	Product description		Part no.
CoEx Type 5		CoExistence of GPON and NG-PON2	XCPSC03187	





Allows coexistence of GPON - NG-PON2 and OTDR



1290-1330 & 1480-1500
1524-1544 & 1596-1603
1625-1675
1290-1330 & 1480-1500
1524-1544 & 1596-1603
1524-1544 & 1596-1603 1625-1675

Parameters			
GPON wavelength (nm)		1290-1330 & 1480-1500	
NG-PON2 (nm)		1524-1544 & 1596-1603	
OTDR (nm)		1625-1675	
Fiber	type	G652D	
	COM-> GPON	≤0.8	
IL (dB)	COM-> NG-PON2	≤1.2	
	COM-> OTDR	≤1.2	
	COM-> GPON@ NG-PON2 & OTDR	≥30	
Isolation (dB)	COM-> NG-PON2 @ GPON & OTDR	≥30	
	COM-> OTDR @ GPON & NG-PON2	≥15	
PDL	(dB)	≤0.15	
RL	(dB)	≥50	
Directiv	vity (dB)	≥50	
Max optical	power (mw)	500	
Operating temperature (°C)		-5~75	
Storage temperature (°C)		-40~90	
Connector type		Com: LC/APC; Others: SC/APC	
LGX BOX		180*130*28	

Product name	Product description	Part no.
СоЕх Туре 6	CoExistence of GPON -NG-PON2 and OTDR	XCPSC03188

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PART NUMBERS

Product Name	Product Description	Part Number
CoEx Type 1	CoExistence of GPON and XGS-PON technologies	XCPSC03185
CoEx Type 2	CoExistence of GPON and XGS-PON and OTDR	XCPSC03186
CoEx Type 3	CoExistence of GPON -XGS-PON and NG-PON2	XCPSC02954
CoEx Type 4	CoExistence of GPON –XGS-PON and NG-PON2 and OTDR	XCPSC02955
CoEx Type 5	CoExistence of GPON and NG-PON2	XCPSC03187
CoEx Type 6	CoExistence of GPON -NG-PON2 and OTDR	XCPSC03188

