



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







Allows coexistence of GPON and XGS-PON technologies



eters		
ength (nm)	1290-1330 & 1480-1500	
relength (nm)	1260-1280 6 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	
or type	SC/APC	
вох	180*130*28	
	ength (nm) relength (nm) type COM-> GPON COM-> XGS-PON COM-> GPON@ XGS-PON COM-> XGS-PON @ GPON (dB) dB) ity (dB) power (mw) reperature (°C) cor type	

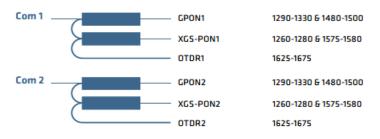
Product name	Product description	Part no.
CoEx Type 1	CoExistence of GPON and XGS-PON technologies	XCPSC03185







Allows coexistence of GPON and XGS-PON technologies and OTDR



Param	neters		
GPON wavelength (nm)		1290-1330 & 1480-1500	
XGS-PON wav	velength (nm)	1260-1280 6 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	вох	180*130*28	

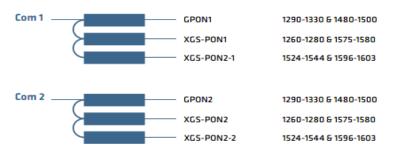
Product name	Product description	Part no.
CoEx Type 2	CoExistence of GPON and XGS-PON and OTDR	XCPSC03186







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



Param	neters		
GPON wavelength (nm)		1290-1330 & 1480-1500	
XGS-PON wav	velength (nm)	1260-1280 & 1575-1580	
NG-PON	N2 (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 temp	perature (°C)	-40~90	
Connector type		SC/APC	
LGX	вох	180*130*28	

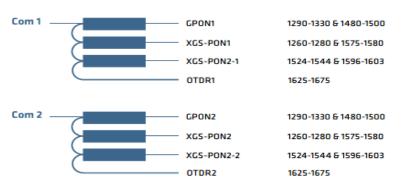
Product name	Product description	Part no.
CoEx Type 3	CoExistence of GPON –XGS-PON and NG-PON2	XCPSC02954







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



eters		
ength (nm)	1290-1330 & 1480-1500	
elength (nm)	1260-1280 & 1575-1580	
12 (nm)	1524-1544 & 1596-1603	
(nm)	1625-1675	
type	G652D	
COM-> GPON	≤0.8	
COM-> XGS-PON	≤1.2	
COM-> NG-PON2	≤1.4	
COM-> OTDR	≤1.6	
COM-> GPON@ XGS-PON & NG-PON2&OTDR	≥30	
COM-> XGS-PON @ GPON& NG-PON2&OTDR	≥30	
COM-> NG-PON2 @ GPON&XGS-PON&OTDR	≥30	
COM-> OTDR @ GPON & XGS-PON& NG-PON2	≥15	
(dB)	≤0.15	
dB)	≥50	
ity (dB)	≥50	
power (mw)	500	
nperature (°C)	-5~75	
perature (°C)	-40~90	
or type	Com: LC/APC: Others: SC/APC	
BOX	180*130*28	
	ength (nm) elength (nm) (nm) (nm) type COM-> GPON COM-> XGS-PON COM-> NG-PONZ COM-> OTDR COM-> GPON@ XGS-PON & NG-PONZ&OTDR COM-> XGS-PON @ GPON& NG-PONZ&OTDR COM-> NG-PONZ @ GPON& NG-PONZ @ GPON B GPON B XGS-PON B XGS-PONB NG-PONZ (dB) (dB) (dB) (dB) (dB) (dB) (dB) (dB	

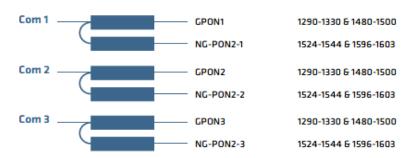
Product name	Product description	Part no.
CoEx Type 4	CoExistence of GPON –XGS-PON and NG-PON2 and OTDR	XCPSC02955







Allows coexistence of GPON and NG-PON2



Parameters			
GPON wave	length (nm)	1290-1330 & 1480-1500	
NG-PON2 (nm)		1524-1544 & 1596-1603	
Fiber	type	G652D	
II (4D)	COM-> GPON	≤0.8	
IL (dB)	COM-> NG-PON2	≤1.2	
Indianian (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	вох	180*130*28	

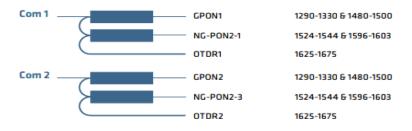
	Product name	Product description		Part no.
CoEx Type 5		CoExistence of GPON and NG-PON2	XCPSC03187	







Allows coexistence of GPON - NG-PON2 and OTDR



Parameters			
GPON wavelength (nm)		1290-1330 & 1480-1500	
NG-POI	N2 (nm)	1524-1544 & 1596-1603	
OTDF	R (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	
Connec	tor type	Com: LC/APC; Others: SC/APC	
LGX	BOX	180*130*28	

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









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

