

PASSPORT DATA SHEET

10G XGS-PON



Champion ONE's XGS-PON optical transceivers are specified for OLT or ONU usage and offer a direct replacement for your existing ITU-T G.987 optics. Since XGS-PON uses wavelengths outside the spectrum allocated for other PON technologies, XGS-PON can be used to gradually upgrade your last-mile network to 10G transmission.

*Champion ONE **Passport** transceivers are programmed for universal compatibility across multiple OEM platforms. This open methodology reduces costs and unlocks operational simplicity by reducing sparing costs.*

Technical Specifications

STANDARDS AND REGULATORY COMPLIANCE

RoHS compliant
SFP MSA (multi-source agreement)
ITU G.987.2 / ITU G.9807.2

PROTOCOLS AND DATA RATES

10G Symmetrical XGS-PON (9.95Gbps / 9.95Gbps)

CONNECTOR

SC/UPC connector (all OLT, SFP+ ONU)
SC/APC connector (SFP+ ONU)

WARRANTY

All feature a limited 5-year warranty

NOTES

Available in standard temperature: 0 to 70°C
Most parts available in industrial temperature ('temperature hardened'): -40 to 85°C

C1 Part Number	Tx/Rx Wavelength (nm)	Fiber Type	Rated Distance (km)	Temperature Range (°C)	Description	Tx (min/max) (dBm)	Rx (min/max) (dBm)
SFP+ OLT							
XGSPONOLTSFP+N1	1577 / 1270	SMF	20	0 to 70	10G XGS-PON OLT SFP+ N1 Transceiver, C-temp, SC connector	2 / 5	-26 / -3
XGSPONOLTSFP+N2	1577 / 1270	SMF	20	0 to 70	10G XGS-PON OLT SFP+ N2 Transceiver, C-temp, SC connector	4 / 7	-28 / -3
SFP+ ONU							
XGSPONONUSFP+NU(H)	1270 / 1577	SMF	20	0 to 70 (-40 to 85)	10G XGS-PON ONU SFP+ N1/N2 Transceiver, C-temp (I-temp), SC/UPC connector	4 / 9	-28 / -8
XGSPONONUSFP+NA(H)	1270 / 1577	SMF	20	0 to 70 (-40 to 85)	10G XGS-PON ONU SFP+ N1/N2 Transceiver, C-temp (I-temp), SC/APC connector	3 / 9	-28 / -8
XFP OLT							
XGSPONOLTxFPN1(-H)	1577 / 1270	SMF	20	0 to 70 (-40 to 85)	10G XGS-PON OLT XFP N1 Transceiver, C-temp (I-temp), SC connector	2 / 6	-26 / -7
XGSPONOLTxFPN2(-H)	1577 / 1270	SMF	20	0 to 70 (-40 to 85)	10G XGS-PON OLT XFP N2 Transceiver, C-temp (I-temp), SC connector	4 / 7	-28 / -9

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