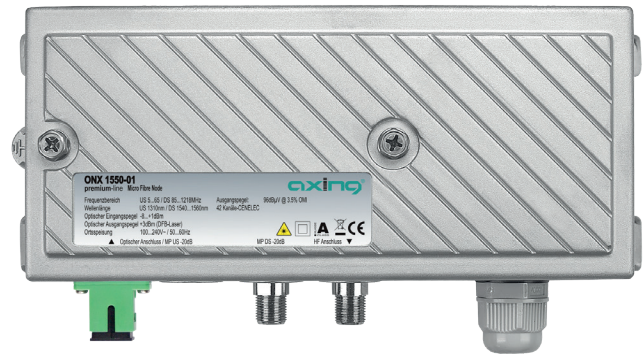


Optical Micro Fibre Node – 1218 MHz

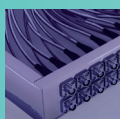
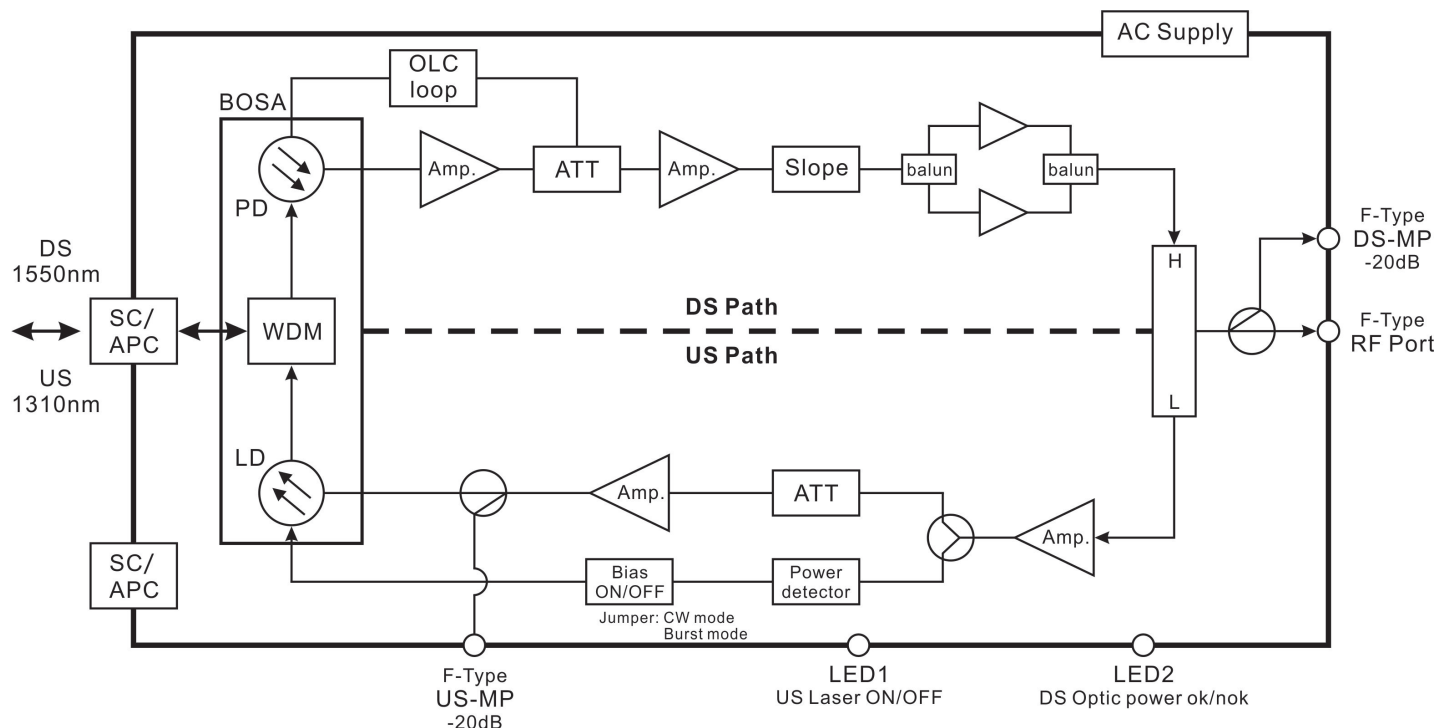


- ✓ Flexible and future-proof platform
- ✓ Excellent technical parameters
- ✓ Extremely low noise optical receiver
- ✓ Constant RF output level for the optical operating range
- ✓ OLC function
- ✓ Adjustable interstage slope
- ✓ Various laser versions for the upstream (US)



Available Micro Fibre Nodes

ONX 1550-01	85...1218 MHz/5...65 MHz (1310 nm, DFB)
ONX 1550-02	85...1218 MHz/5...65 MHz (1610 nm, DFB)
ONX 1550-03	85...1218 MHz/5...65 MHz (1310 nm, FP)
ONX 1550-11	102...1218 MHz/5...85 MHz (1310 nm, DFB)
ONX 1550-12	102...1218 MHz/5...85 MHz (1610 nm, DFB)
ONX 1550-21	258...1218 MHz/5...204 MHz (1310 nm, DFB)
ONX 1550-22	258...1218 MHz/5...204 MHz (1610 nm, DFB)



AXING AG

Gewerbehaus Moskau

Phone +41 52 - 742 83 00

Fax +41 52 - 742 83 19

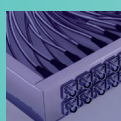
8262 Ramsen

info@axing.com

www.axing.com

Technical data

Type	ONX 1550-01	ONX 1550-02	ONX 1550-03	ONX 1550-11	ONX 1550-12	ONX 1550-21	ONX 1550-22
Input							
Optical connector	1 × SC/APC						
Optical return loss	≥ 40 dB						
Downstream							
Wavelength	1540...1560 nm						
Optical input level	-8...+1 dBm						
Optical OLC range	0...-6 dBm						
Frequency range	85...1218 MHz	85...1218 MHz	85...1218 MHz	102...1218 MHz	102...1218 MHz	258...1218 MHz	258...1218 MHz
Output level @ OMI 3.5% (flat)	96 dBμV						
CSO (Cenelec 42, OMI 3.5%)	> 60 dBc						
CTB (Cenelec 42, OMI 3.5%)	> 60 dBc						
Flatness	±1 dB						
Noise current density	7.4 pA _r /Hz						
Equalization interstage: pluggable with jumpers	0/2/4/6 dB						
Return loss	≥ 18 dB (-1.5 dB/Octave)						
Test port	-20 dB						
Upstream							
Laser type	DFB	DFB	FP	DFB	DFB	DFB	DFB
Wavelength	1310 nm	1610 nm	1310 nm	1310 nm	1610 nm	1310 nm	1610 nm
Laser mode (switchable)	CW/Burst						
Optical output level	+3 ±1 dBm						
Laser switch-on time	≤ 1.3 μsec						
RF level for laser on off	67 dBμV 58 dBμV						
Frequency range	5...65 MHz	5...65 MHz	5...65 MHz	5...85 MHz	5...85 MHz	5...204 MHz	5...204 MHz
OMI @ 75 dBμV US input level	15 %						
Flatness	±1 dB						
Return loss	≥ 18 dB (-1.5 dB/Octave)						
Attenuation: adjustable in 2 dB steps	0...30 dB						
Test port	-20 dB						
RF connectors							
Type	F-female						
General							
Operation voltage	100...240 VAC						
Power consumption	6 W	6 W	6 W	7.8 W	7.8 W	7.8 W	7.8 W
Operating temperature range	0...50 °C						
Dimensions (W × H × D) appr.	195 x 90 x 55 mm						
Weight	0.75 kg						



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