

NETWORK ACCESSORIES DATA SHEET

uTune Director



Champion ONE's award-winning uTune™ Director quickly turns tunable SFP+ and XFP transceivers into fixed-channel DWDM optics via a patented tuning and locking process.

This portable, standalone device reduces the cost and complexity of sparing inventory for passive DWDM networks, accelerates turn-up time for new links, and increases network flexibility. Its simple, intuitive user interface enables full tuning and locking in under 1 minute.

Technical Specifications

STANDARDS AND REGULATORY COMPLIANCE

RoHS compliant
Power supply- UL, FCC

FORM FACTOR (MSA COMPLIANT)

80 km SFP+
80 km XFP
(Champion ONE tunable transceivers required- see below)

WARRANTY

Limited 1-year warranty

NOTES

Standalone device: no connection to PC, network or similar device required
Includes wall adapter (power information below).

C1 Part Number	Dimensions	Storage Temp (°C)	Operating Temp (°C)	Description	Display	Wall Adapter Input	Wall Adapter Output
MULTI-PROTOCOL 10G (10G LAN/WAN, 10G FC, OC-192)							
DWDM-XS+-DIR	9.75"W x 7.88"L x 1.75"H; 3,46lbs	-30 to 80	-20 to 70	SFP+ and XFP DWDM Tuner	3.25"W x 0.75"H backlit LCD	110-120V, 50-60Hz, 0.15A	9V, 0.66A

Financial Impact Example

DWDM XFP Metro Ring		
	Fixed Channel Spare	uTune Director and Tunable XFP
Cost	\$5,000/optic	<\$7,000
Quantity	20	1
Total	\$100,000	<\$7,000
Savings	\$93,000+	
Break-Even	2 Spares	

"This appliance is remarkable. We plan on placing one at all of our sparing facilities for each of our metro rings. It will completely change our entire approach to sparing and save us tens of thousands of dollars."

- DIRECTOR OF NETWORK ENGINEERING,
TIER 1 SERVICE PROVIDER

Compatible Transceivers

The uTune Director™ is designed for use with the following Champion ONE tunable transceivers:



SFP+

	Limiting SFP+	Linear SFP+
MULTI-PROTOCOL 10G		
Champion ONE part #	10GTSFP+MC80	10GTSFP+NC80
Electrical Interface	Limiting	Linear
Power Consumption (W)	1.65	2.00
Transmit Wavelength (nm)	1528.38 to 1568.77 (ITU ch. 61.5 - 11.0, 50GHz spacing)	
Rated Distance (km)	80	
Output Power (min/max) (dBm)	-1.0 / 3.0	
Receiver Sensitivity (dBm)	-27.0	
Max Input Power (dBm)	-7.0	
Operating Temperature (°C)	-5 to 70	



XFP

	XFP
MULTI-PROTOCOL 10G	
Champion ONE part #	10GTXPxxx0DWDWM80 (xxx = ITU channel #)
Power Consumption (W)	3.5
Transmit Wavelength (nm)	1528.77 to 1563.86 (ITU ch. 61.0 - 17.0, 50GHz spacing)
Rated Distance (km)	80
Output Power (min/max) (dBm)	-1.0 / 3.0
Receiver Sensitivity (dBm)	-24.0
Max Input Power (dBm)	-8.0
Operating Temperature (°C)	-5 to 70

For more information, consult the respective data sheets for SFP+ and XFP transceivers, available from www.championone.com.