

# ALTIS-7™

## FREE SPACE OPTICAL COMMUNICATIONS

Back-/Front-Haul  
Enterprise Access  
MDU Access  
Early Responders  
Metro Access Networks



### ATTOCHRON PHYSICS BENEFITS

- 2,500x spectral bandwidth
- Scintillation-beating coherence length (100  $\mu\text{m}$ )
- 10x-100x BER improvement before FEC
- 10-20 dB link margin improvement
- Superior rain and fog performance
- 200+ patents & patents pending

The ATTOCHRON logo, featuring the word 'ATTOCHRON' in a bold, sans-serif font with a stylized white arc above the 'O'.

**JIM OLSON**  
Sr VP Sales and Marketing  
jimolson@attochron.com  
M: 484-798-9021



# ALTIS-7™

Free Space  
Optical Communications

## PRODUCT SPECIFICATIONS

Networking	
Data Rate	1 – 10 Gbps
Range	Up to 16 km (10 mi)
BER Tolerance	≤ 1e-9
MTBF	100,000+ hours
Availability	99.995% @ 1 km / 99.95% @ 1 mi
Latency/Jitter	0.2 ms/0.05 ms
Interface	SFP/SFP+/RJ45
Device Management	SNMPv3
System Management	Attochron WebUI
Optical	
Wavelength	25nm bandwidth centered at 1550nm
Output Power	0.1 – 4 W
Divergence	0.5 mrad adjustable
Dynamic Range	40 dB
Pointing and Tracking	+/- 5° over 3 seconds (Per TIA 222H)
Transmit & Receive Apertures	50 x 100 mm
Laser Class	1
Mechanical	
Non-Operating Temperature (Storage)	-20 °C – 60 °C
Operating Temp. - Network Interface	0 °C – 55 °C
Operating Temp. - Outdoor Unit (ODU)	-40 °C – 55 °C
Power	(12/28V) 100 Watts
Environment/Weather Rating	IP66
Mounting Options	Pole mount, Tower mount, Window mount
Opto Weight / Dimensions	7 kg / 304 x 304 x 157 mm
2U Rack Weight / Dimensions	7 kg / 482 x 3.5 x 482 mm
Umbilical	Armored Jacket/Conduit: Up to 150 ft

FCC and UL compliant

Outdoor Unit (ODU) With  
Transmit and Receive Optics



2U Rack Mount  
Network Interface

© 2024 ATTOCHRON, LLC

The contents in this document are subject to change. Protected by US and international Patents.