



StingRay RF over Fibre

200 series Optical Serial & Ethernet module

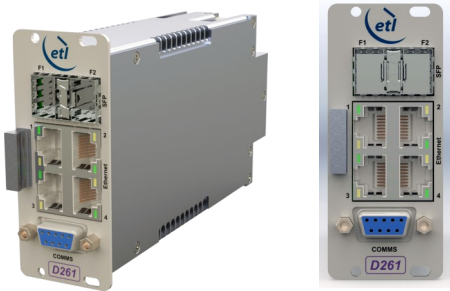
The StingRay 200 Series Model SRY-TR-DA-261 is a bi-directional Ethernet to optical module. There are 4 x RJ45 fast Ethernet connections, 1 x bidirectional serial port configurable RS232/422/485 and 1 x optical SFP module connection for bi-directional communication over a distance of up to 10km (two fibre cables are required). The unit has additional capacity for another optical SFP module, which is available upon request.

The module is designed to be housed in the StingRay 200 series range of chassis.

Typical applications:

- Enables remote network connectivity
- Fibre connectivity of network management traffic
- Network management of remote terminals
- Remote management of StingRay RF over Fibre chassis and modules

Fibre Module



Multiple device connectivity ports are connected via an unmanaged Ethernet switch



Supports single mode fibre up to 10km (other SFP modules available)



1310 nm optical wavelength (other wavelength SFP's available)



Fast Ethernet ports features 4 x 10/100/1000BASE-T RJ45 ports



SFP Gigabit Ethernet port 1 x 1000Base-LX10. Capacity for an additional SFP module available



Serial Port bidirectional serial port configurable RS232/422/485

Chassis Options



Compact indoor & outdoor chassis options, which can be part populated



Remote control & monitoring via RJ45 Ethernet port with SNMP & web browser interface



Local control & monitoring via front panel push buttons & display



Resilience from dual redundant hot-swap power supplies, hot-swap fibre modules & fans



10MHz Inject from an external source chassis option



Indoor chassis showing hot-swap power supply modules, fibre modules and fans



Outdoor Unit (ODU201)





RF Parameters		
Model Number	SRY-TR-DA-261	
Copper Ethernet Ports	4x10/100/1000BASE-T RJ45	Gigabit Ethernet
Optical Ethernet Port	2x SFP module slot fitted with 1x 1000BASE-LX10 SFP	Gigabit Ethernet
Serial ports	RS-232/422/485 at up to 120kbit/s	
Serial connector	9-pin D-type Female	
Optical Connector	LC duplex, Single mode fibre	Not angle polished
Optical Wavelength	1310 nm	Other wavelength SFPs available
DC consumption (W)	TBD	Max. consumption at steady state
Control, Monitoring & Alarms		
Control	Local and remote	Via local front panel control. See chassis spec. Remote control via chassis Ethernet. 10/100Base T. TCP/IP, SNMP, web browser
Temperature monitors	Each module monitored	All are independently monitored and reported
Monitoring includes	Module supply voltage and current	
Environmental conditions		
Operating Temperature	-40°C to +55°C	
Storage Temperature	-40°C to +85°C	
Location	Indoor	Outdoor mounting as part of ETL ODU only
Humidity	20% to 90% non-condensing	Relative Humidity
Altitude	10,000 feet AMSL	Above Mean Sea Level
Physical Dimensions & Parameters		
Weight	0.4 Kg typical	TBC
Capacity	Each module takes up 2 slots in a chassis	
Module Dimensions	87.8 x 36 x 150 mm	
Front Panel Colour	RAL9003—White (semi-matte)	

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
 Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

Please see separate datasheet for 200 series chassis options.