DigiLink DLM205 - Gig-E Aggregator and Optical Transceiver with On-Board Chassis Management

■ FUNCTIONS

Monitor and manage DL4000 chassis

Aggregate up to nine 10/100/1000 Ethernet links

Non-blocking 18 Gigabit of switching capacity

Provides optical or electrical transport of
- 10Base-T
- 100Base-TX
- 1000Base-T
- Ethernet standard
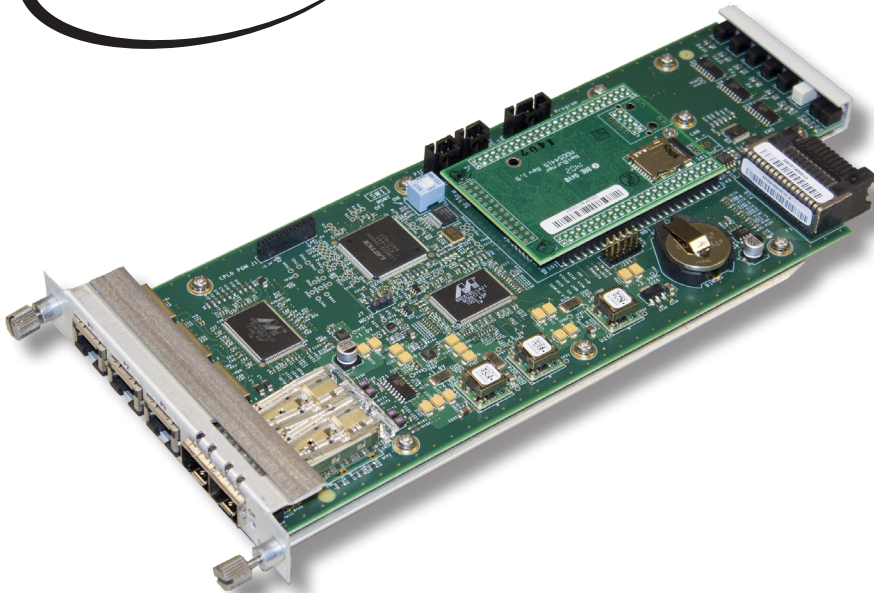
The DLM205 combines a 9 port non-blocking Ethernet switch and aggregator with DL4000 chassis management capabilities.

The innovative design of the DLM205 enables users to manage and monitor DL4000 chassis as well as aggregate 9 channels, 5 external and 4 internal, of 10/100/1000 Ethernet traffic for transport across electrical or optical networks, all in a low cost, single slot DigiLink module. The module is fully non-blocking with a total capacity of 18 Gigabits of traffic plus chassis management and each port independently supports 10/100/1000 Ethernet. The four internal ports can be linked to other modules in a DigiLink chassis to provide internal Ethernet connectivity, eliminating the need of external cabling.

Unlike more complicated designs that require dedicated trunking modules and switching matrixes, the DLM205 is a simple Gig-E aggregator compatible with all DigiLink chassis. When used in a DL4000 chassis an additional channel is enabled that includes capabilities to manage, monitor, and configure a chassis via DigiLink Manager HTTP browser based EMS or SNMP. The DLM205 provides a simple, reliable, and low cost solution for transporting video centric traffic and chassis management across Ethernet networks.

■ FEATURES

In-band management of DL4000 chassis

Supports all types of Ethernet traffic
- 10/100/1000 auto negotiate
- Auto MDI/MDIX
- Auto full-duplex and half-duplex
- VLAN capabilities

Externally accessible SFP transceiver optics
- Optical budget to 33dB
- WDM (1310nm, 1550nm)
- CWDM ITU G.694.2 (Channels 27-61)
- DWDM ITU G.694.1 (Channels 21-60)

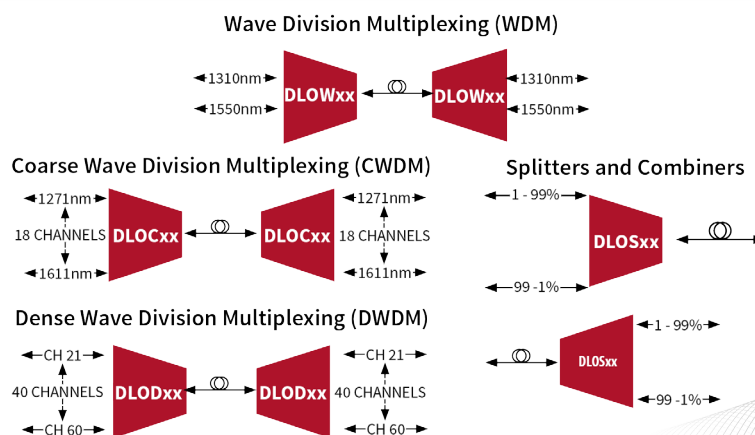**Front and rear panel status LEDs**
- Major/minor alarms
- Link status
- Activity

Statistics per RFC 2819 Standard

Simple and rugged design
- Plug and play design requires no pre-deployment configuration
- Monitor, manage, and review statistics using DigiLink Manager or SNMPv2
- NEBS Level 3 Certified ensures reliable operation in harsh environments

OPTICAL MULTIPLEXERS, SPLITTER, COMBINERS, AND SWITCHES

Wave Division Multiplexing (WDM)

1310nm ◄ DLOWxx ◄► DLOWxx ► 1310nm
1550nm ◄ ◄► ► 1550nm

Coarse Wave Division Multiplexing (CWDM)

1271nm ◄ ► 1271nm
18 CHANNELS DLOCxx ◄► DLOCxx 18 CHANNELS
1611nm ◄ ► 1611nm

Dense Wave Division Multiplexing (DWDM)

CH 21 ◄ ► CH 21
40 CHANNELS DLODxx ◄► DLODxx 40 CHANNELS
CH 60 ◄ ► CH 60

Splitters and Combiners

1 - 99%
DLOSxx
99 -1%

1 - 99%
DLOSxx
99 -1%

■ SPECIFICATIONS

| Environmental	
Operating temperature	0 to 50°C
Ambient storage temperature	-40 to 80°C
Relative humidity	10 to 95% (non-condensing)
Power dissipation	< 8 Watts
Physical	
Dimensions	0.8" x 5" x 10.8"
	(1 slot in chassis)
Weight	<2 pounds, (1kg)
Interface	
External electrical	Rear (3) RJ-45
External SFP	2 (Optical or RJ-45)
Internal	4 to other modules in DigiLink Chassis
	DL4000 Chassis Management
Data rates	10/100/1000 Ethernet

Regulatory Conformance	
Compliance:	Certified NEBS Level 3, CSA 60950, EN60950, EN55022 FCC Part 15 (Class A), CISPR 22
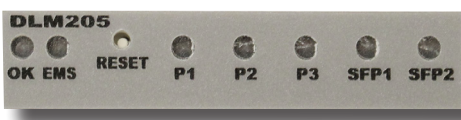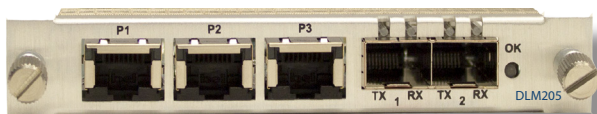
UPDATED 11/04/2016
All specifications subject to change without notice. ©2016

Front Panel

Rear Panel

Ordering Information

Model	Description	Part
DLM205	9 Port Gig-E Aggregator and Chassis Management	390-008106-00
SFP Options	*See SFP/SFP+/XFP compatibility chart*	

Sales

T: +1 978-263-5775
sales@artel.com
customercare@artel.com
www.artel.com