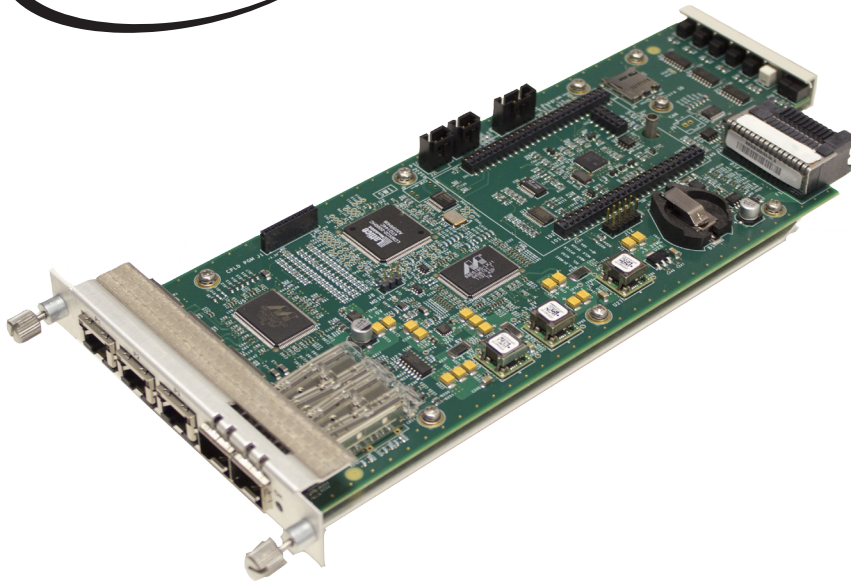# DigiLink DLC205 - Ethernet Switch and Optical Transceiver


The DLC205 is a flexible Ethernet switch supporting up to 9 ports of 10/100/1000 traffic with optical connectivity.

The innovative design of the DLC205 enables users to 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 nonblocking with a total capacity of 18 Gigabits of traffic 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 DLC205 is a simple Ethernet aggregator providing a simple, reliable, and low cost solution for transporting video centric traffic and chassis management across Ethernet networks.
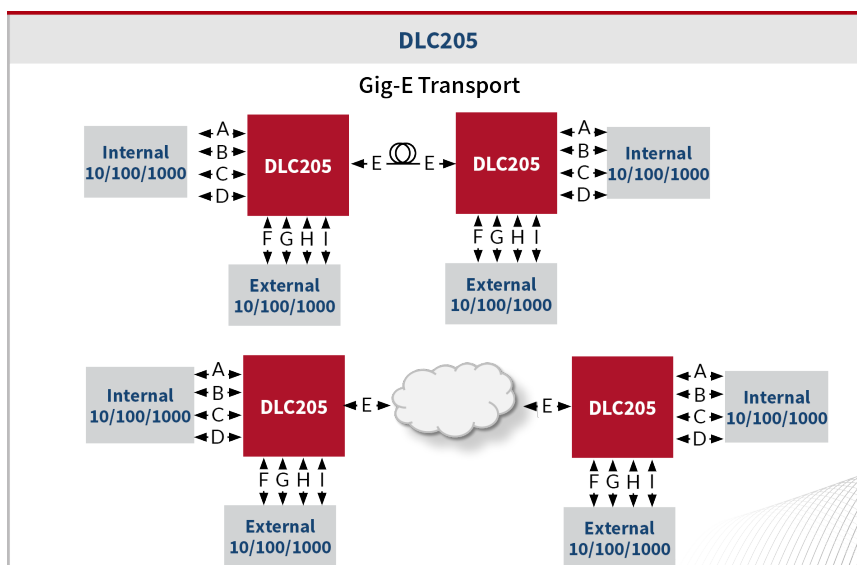
■ FUNCTIONS

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

■ FEATURES

Three RJ-45 Copper Ports
- 10/100/1000 auto negotiate
- Auto MDI/MDI-X
- Auto full-duplex and half-duplex
- VLAN capabilities

Externally accessible SFP transceiver
- 1000BaseT using Electrical SFP
- 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

■ SPECIFICATIONS

Environmental

Operating Temperature	0 to 50°C
Ambient storage temperature	-40 to 80°C
Relative humidity	10 to 95% (non-condensing)
Power dissipation	< 6 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 chassis
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
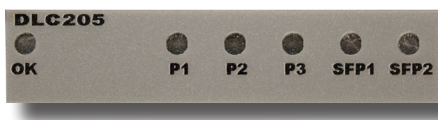*All specifications subject to change without notice. ©2016*

Ordering Information

DLC DLC205 Function Module

Model	Description	Part #
DLC205	9 Port Gig-E Aggregator	390-008105-00
SFP Options	*See SFP/SFP+/XFP compatibility chart*	

Front Panel
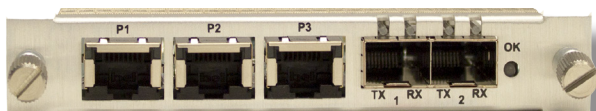
Rear Panel

AR206-008105-10_G

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