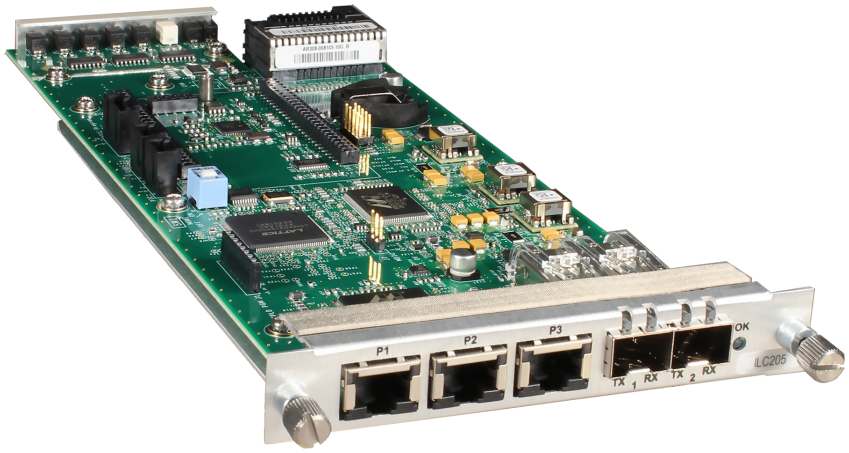
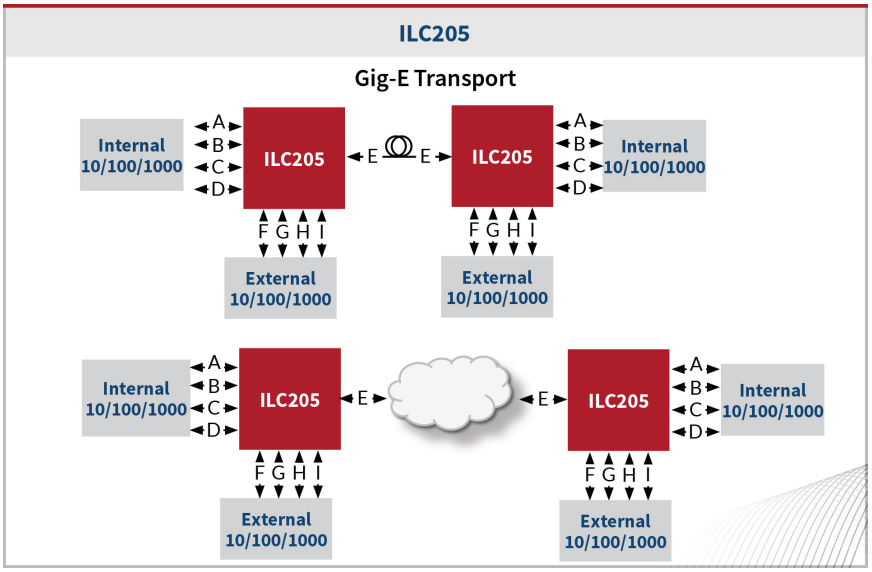
InfinityLink ILC205
9 Port Gigabit Ethernet Switch with VLAN



The ILC205 is a flexible Ethernet switch supporting up to 9 ports of 10/100/1000 traffic with optical connectivity.

The innovative design of the ILC205 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 InfinityLink 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 InfinityLink 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 ILC205 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 transceivers

- 1000BaseT using Electrical SFP
- Optical budgets 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 InfinityLink Manager or SNMPv2

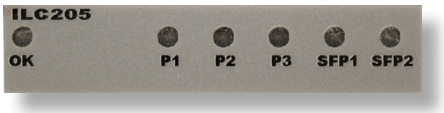
SPECIFICATIONS

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

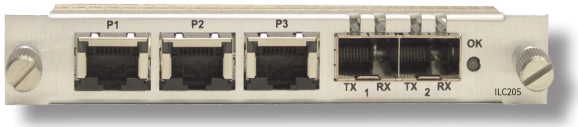
Physical	
Dimensions	0.8" x 5" x 10.8" 1 slot in InfinityLink chassis
Weight	<2 pounds, (1kg)

Interface	
External Electrical	Rear (3) RJ-45
External SFP	2 (Optical or RJ-45)
Internal	4 to other modules in InfinityLink chassis
Data Rates	10/100/1000 Ethernet

Regulatory Conformance	
Compliance:	CSA 60950, EN60950, EN55022 FCC Part 15 (Class A), CISPR 22



Front Panel



Rear Panel

AR206-006105-10_B

Made in the USA

UPDATED 11/04/2016
All specifications subject to change without notice. ©2016

GSA Schedule Contract GS-03F-016CA

Ordering Information

ILC ILC205 Function Module

Model	Description	Part #
ILC205	9-Port Gigabit Ethernet Switch with VLAN	390-006105-00
SFP Options	*See SFP/SFP+/XFP compatibility chart*	

Sales

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