

Dual_Comm DCGS-2005L 5-port 10/100/1000Base-T Gigabyte Network TAP with Power-over-Ethernet Pass-through

[Typical Applications]

- Reuse of 10/100M IP phone in a Gigabit LAN
 - Using a PC to record IP Phone calls
 - Packet Sniffing. Monitoring traffic for a PoE powered Access Point (AP)
- Sniffing 802.11 Access Point traffic by using Dualcomm DCGS-2005 USB Powered 5-Port Gigabit Ethernet Switch w/ Port Mirroring and PoE Pass-Through

[Description]

Dualcomm patent pending 5-Port 10/100/1000Base-T Gigabit Switch TAP (DCGS-2005/DCGS-2005L) can be used as both a 5-Port 10/100/1000base-T gigabit Ethernet switch and a gigabit copper network TAP (Test Access Point). It offers several unique features that differentiate it from other vendor's products and solutions on the market.

Power over Ethernet Inline Power Pass-Through

DCGS-2005/DCGS-2005L is implemented with a set of two ports to facilitate the pass-through of Power-over-Ethernet (PoE) inline power between these two ports. This is a very useful feature that will allow a DCGS-2005/DCGS-2005L to be placed and connected in between a PoE switch and a PoE powered device such as a PoE enabled IP phone without blocking the PoE inline power from reaching the PoE powered device.

The PoE Inline power pass-through also makes it possible to reuse a 10/100 IP phone in a "Gigabit to Desktop" connection. Otherwise, a more expensive IP phone with Gigabit ports has to be used to achieve end-to-end gigabit network connection.

Port-Mirroring

DCGS-2005/DCGS-2005L offers a unique and low cost solution for capturing and monitoring network traffic by means of Port-Mirroring. Port-Mirroring used to be a feature found only in much more expensive managed switches requiring manual port configuration, but DCGS-2005/DCGS-2005L makes it plug and play and hassle free without going over your budget.

USB Powered

DCGS-2005/DCGS-2005L is designed to be conveniently powered by a USB port of a computer. To users, this means one less AC/DC power adapter to carry and one less AC outlet to hunt for!

[Specifications]

Power Input	5VDC or power from a host USB port
Port Mirroring	Port #1 is mirrored to Port #5.
PoE Inline Power Pass-Through Standards	Between Port #1 and Port #2. Support both standard PoE 802.3af and PoE+ (802.3at) IEEE 802.3 10BASE-T, 100Base-TX and 1000Base-T Gigabit Ethernet
IEEE 802.3x Flow Control	
IEEE 802.1p Priority Queuing	
Network Interface	5 auto-negotiation 10/100/1000Mbps RJ-45 switching ports with Auto-MDI/MDIX
Cable Requirements	UTP CAT5e up to 328ft/100m
Forwarding Method	Store and forward
MAC Address	4K (automatic update)
Buffer Memory	104 KB RAM
Jumbo Frame Size	9KB
LED Indicators	one LED for power indication and 5 LEDs, each for link/activity per port
Flow Control	Standard back pressure on half-duplex mode, and standard IEEE 802.3x on full-duplex
EMC Compliances	FCC Part 15 and CE
Dimensions	6.9" x 4.9" x 1.2" (L x D x H)
Warranty	One year manufacturer warranty



DCGS-2005L