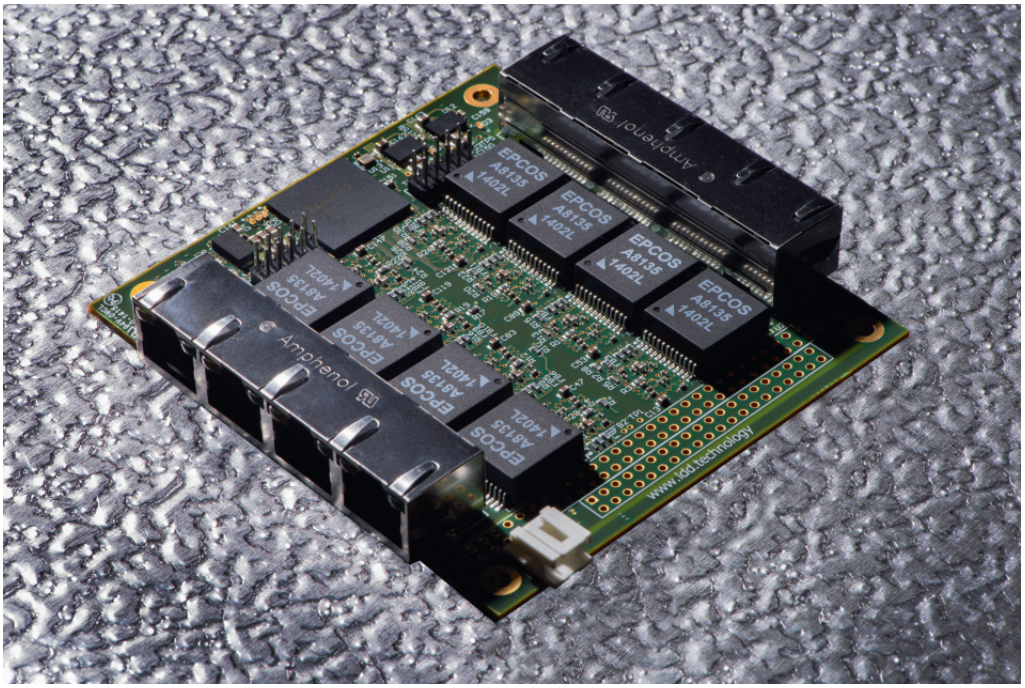
LDD-ES8

PC/104-*Plus* 8 Port Embedded Gigabit Ethernet Switch Module

Highlights

- 8 RJ45 Ethernet Ports
- Full Gigabit rate on all ports
- PC/104-Plus form factor
- LED Speed/Activity indicators on all ports
- USB interface for Port



Overview

The LDD-ES8 is an 8 Port Unmanaged Gigabit Ethernet Switch which is intended for use in embedded applications. It features a high performance, low latency switch which is able to handle full-rate gigabit packets on all ports simultaneously. Auto-negotiation allows each port to operate at 10/100/1000 Mbits/sec with dual LEDs per port to indicate negotiated speed and link activity.

The LDD-ES8 is designed for fully independent operation, but provides a USB port to allow software monitoring of port performance if required. The USB port can be easily connected to most operating systems using a standard Virtual COM Port driver to provide: connection status; speed; transmit and receive packet counts and receive error counts.

The LDD-ES8 requires a single 5V supply which can be provided from either a PC/104 stack or through a Molex Micro-Clasp connector. Power consumption is typically 5 Watts with all ports operating at 1 Gbit/sec.

The LDD-ES8 is designed, manufactured and tested in the UK and is fully RoHS compliant.

A full customisation service is available to provide different form-factors and port counts if required.

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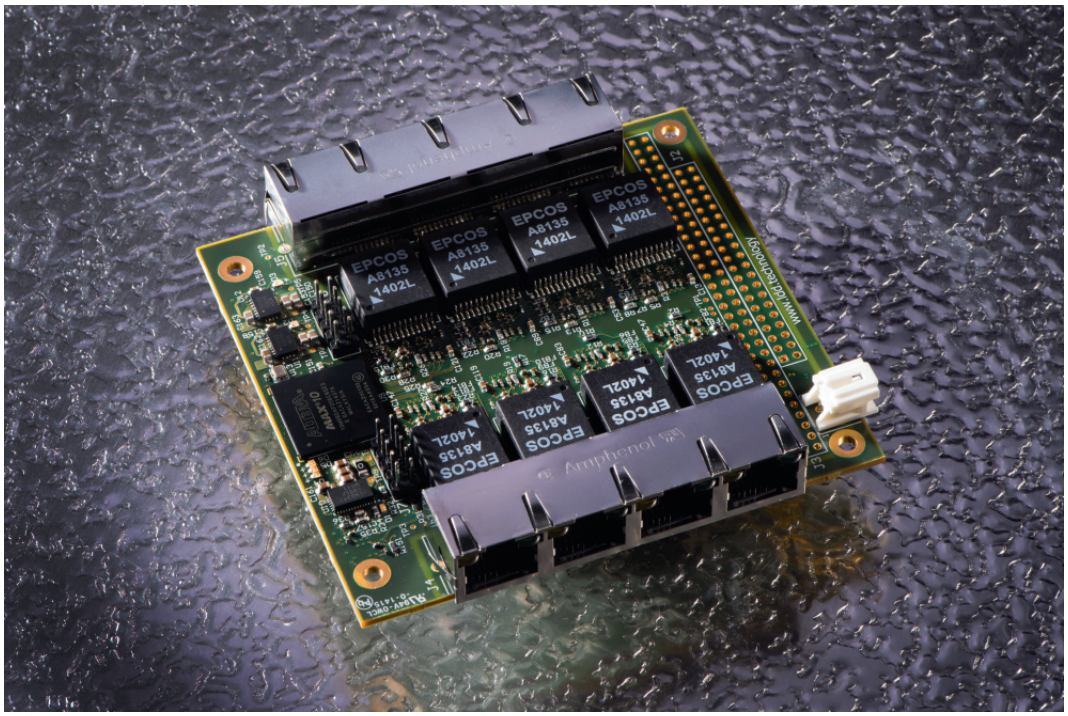
Specifications

General	Board Size	PC/104 Plus - 90mm x 96mm
	Power	+5V @ 1.0A (typ) 8 ports @1Gbps
	Manufacturing Standards	IPC-610 Class 2 compliant
	RoHS	Compliant
Environmental	Operating Temperature	0°C to 70°C
	Storage Temperature	-40°C to +85°C
	Humidity	Less than 95% non-condensing
	Airflow	Free air from 0°C to 50°C

Ordering Information

Model	Features
LDD-ES8-C-P	8 Ports; PC/104 Connector; Commercial temperature range
LDD-ES8-C-J	8 Ports; Microclasp Connector; Commercial temperature range

Please contact ethernet@ldd.technology for customisation options



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