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# LAN9254 - EtherCAT Device evaluation kit with 32 digital IOs



Part Number: EV57N07A

### Summary:

EVB-LAN9254 allows engineers to quickly develop using an EtherCAT slave controller in DIGIO mode - without a microcontroller. 32 separate digital input/output lines are available and configuration is applied via an attached ESI EEPROM.

A footprint also exists for optional fitment of an external MII interface. This enables evaluation of EtherCAT Coupler topologies using

View More





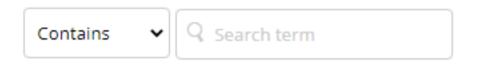
Overview

Features

Additional Resources

**Related Tools** 

# **Documents and Software**



### Documents

EVB-LAN9254-DIGIO Evaluation Board Users Guide	4/6/2021	8MB	$\triangle$
EVB-LAN9254-DIGIO-Schematic	6/22/2021	4MB	$\stackrel{\wedge}{\sim}$
EVB-LAN9254-DIGIO-Altium-Design-Files	6/22/2021	20MB	$\stackrel{\wedge}{\sim}$
EVB-LAN9254-DIGIO-ESI_FILES	6/22/2021	6KB	$\stackrel{\wedge}{\sim}$
EVB-LAN9254-DIGIO-BOM	6/22/2021	317KB	$\stackrel{\wedge}{\sim}$
EVB-LAN9254-DIGIO ETG Compliance Certificate	6/22/2021	10MB	☆

## **Product Features**

### Headline Features

- LAN9254 EtherCAT Slave Controller (ESC) with integrated PHYs
- EtherCAT Technology Group (ETG) conformance tested
- Configuration via attached ESI EEPROM
- 32 Digital IO lines
- Optional MII interface for third port within EtherCAT Coupler applications

# Peripherals

- EtherCAT System Information (ESI) EEPROM
- Clock daisy chain
- EtherCAT Distributed Clock (DC) outputs

