EVB-LAN9662 Evaluation Board

EV09D37A

Description

Microchip Technology EVB-LAN9662 Evaluation Board is the evaluation board for the LAN9662 TSN Switch and is intended to be used with the EVB-LAN9662-Carrier board. The EVB-LAN9662 is a CPU board enabling LAN9662 together with SPI Flash, DDR memory, dual RJ45 network connections, and a console interface.
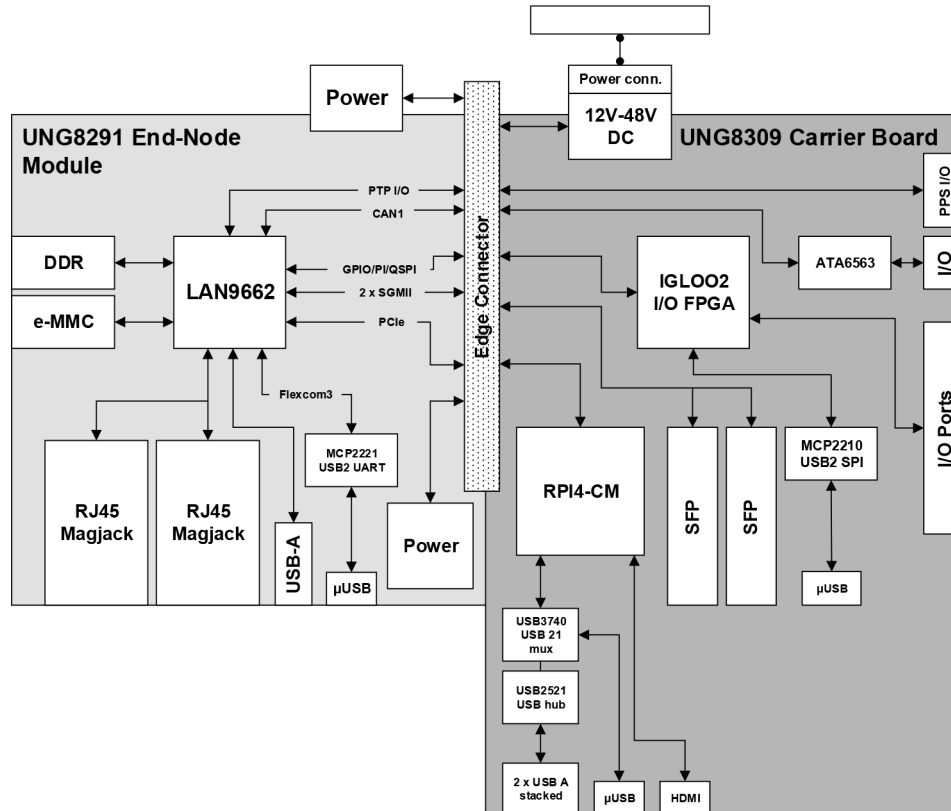

This evaluation board features a LAN9662 AVB/TSN switch, an internal real-time engine, and a 600MHz Arm® Cortex® A7 CPU. The EVB-LAN9662 board offers two tri-speed (10/100/1000M) RJ45 front ports using internal copper PHYs. This board supports a USB 2.0 host port, a micro-USB 2.0 console port, a reset status LED, and per-network port status LEDs. The EVB-LAN9662 board is powered by the micro-USB port, the edge connector, or the expansion header.
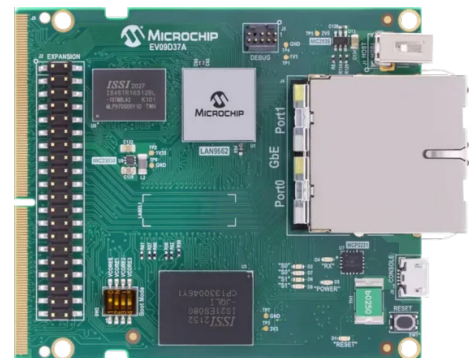
Features

- LAN9662 AVB/TSN switch with internal real-time engine and 600MHz Arm® Cortex® A7 CPU
- Two tri-speed (10/100/1000M) RJ45 front ports using internal copper PHYs
- USB 2.0 host port (female type-A connector), DDR memory, dual RJ45 network connections, and a console interface
- Micro-USB 2.0 console port for local management and debugging through a Linux® driver
- Reset status LED and per-network port status LEDs for link and activity indication
- Reset button
- 2x20, 0.1" expansion pin header exposing various interfaces:
  - UART
  - SPI
  - I²C
  - PTP
  - CAN
  - IRQ
- Powered from either the micro-USB port, the Edge connector, or the expansion header

EVB-LAN9662 Block Diagram

Mouser Part Number

View Part

To learn more, vist https://www.mouser.com/new/microchip/microchip-evb-lan9662-eval-board/