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Part Number: VSC8211EV

## VSC8211 Evaluation Board ☆

Download Primary User Guide

- Copper Port RJ45 Connections
- SGMII MAC Interface via SMA
- GMII, RGMII, MII, TBI and RTBI MAC Interface
- Fiber Transceiver Interface via SFP Cage
- External REFCLK Option
- EEPROM Option
- CMODE Pins (Pin-Strap mode) configurable

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### Overview

The VSC8211EV provides users a way to evaluate the VSC8211 device in multiple configurations. One RJ- 45 connector is provided for the copper media interface. The MAC interface is accessible via SMA connectors. An SFP cage is available for serial configurations, and headers are available for the parallel interface.

The VSC8211’s internal registers are accessed via the MDIO bus from an external microcontroller driven by an external PC via USB. The accompanying GUI enables the user to read and write the device registers. Alternatively, the VSC8211EV has the capability to configure the VSC8211 through an EEPROM or Rabbit microcontroller (not provided).

The evaluation board has the option to use VSC8211’s internal on-chip oscillator by connecting a 25 MHz crystal to XTAL1 and XTAL2 or an external reference clock signal through the REFCLK SMA (J12)

All Application Notes

### Documentation

Title			
VSC8211 Evaluation Board User Guide	Download		☆
VSC8211 Evaluation Board Schematic	Download		☆

### Application Notes

Title	Date		Document Category
VSC8211 PCB Design and Layout Guidelines	16 Jan 2019	Link	Application Notes

### Software

Title	Date
VSC8211 Evaluation Board GUI	Download 06 Jul 2021

### Silicon Products

Product	Title
VSC8211	1 Port GbE Cu/Fiber PHY with (G/RG/S)MII



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