

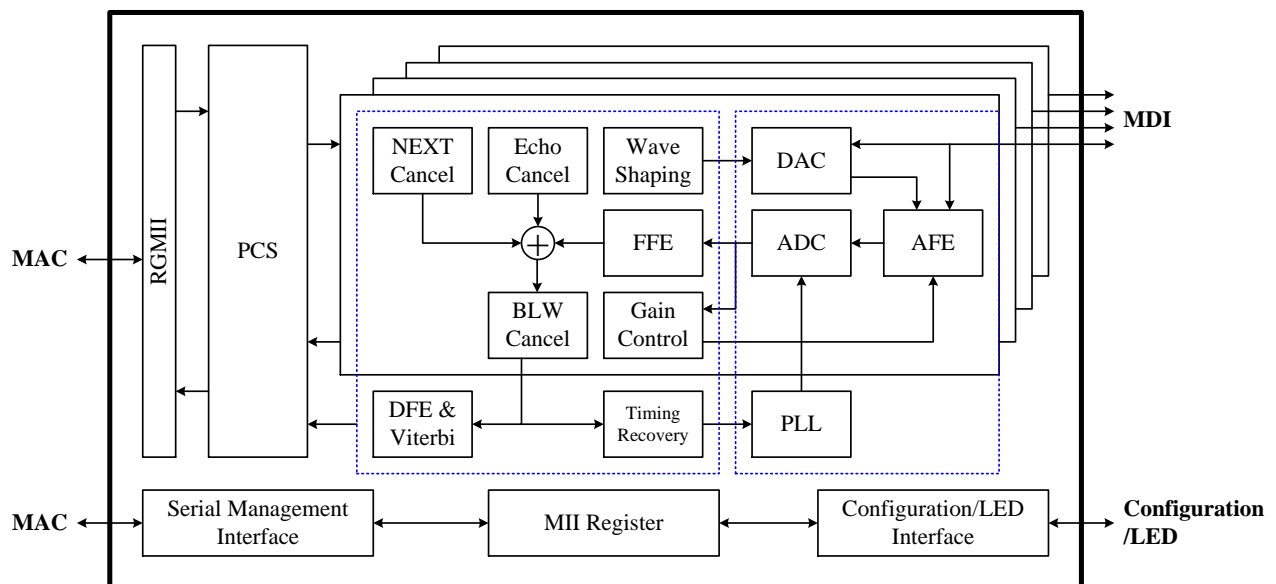
## 1. Features

- Integrated 10/100/1000Mbps Ethernet Transceiver
- Compliant with IEEE 802.3, IEEE 802.3u, and IEEE 802.3ab
- Support IEEE P802.3az Energy Efficient Ethernet
- Auto-Negotiation with auto MDI/MDI Crossover correction
- Support Parallel Detection
- Auto Polarity Correction
- Advanced DSP for baseline wander correction, equalization, echo, and crosstalk cancellation
- Support 3 programmable LAN status LEDs
- Support Power Down Mode
- Support RGMII interface to MAC
- Integrated switching regulator
- 3.3V/1.2V power supply and multi-voltage I/O 3.3V to 2.5V
- Industrial temperature range -40 °C ~ + 85 °C
- 48-pin QFN package

## 2. General Description

The DM9119INX is a single-chip Gigabit Ethernet Transceiver, which is compliant with IEEE 802.3 Media Access Controller, and IEEE 802.3u 1000BASE-T/100BASE-TX/10BASE-T. It also supports IEEE 802.3az, Energy Efficient Ethernet (EEE). The advanced on-chip mixed signal processing such as equalization, crosstalk cancellation, clock recovery, error correction, crossover detection/correction, polarity correction, provide robust transmission and reception over the standard Unshielded Twisted Pair (UTP) CAT6/CAT5e/CAT5/CAT3(10Mbps only) cable.

The DM9119INX supports the Reduced Gigabit Media Independent Interface (RGMII) to the MAC controller.





### 3. Applications

- Network Interface Adapter
- Ethernet Hub
- Ethernet Switch
- Surveillance Camera
- Embedded System

### 4. Order Information

Part Number	Pin Count	Package
DM9119INX	48	QFN

**DAVICOM Semiconductor, Inc.**

No.6, Li-Hsin Rd. VI, Science Park, Hsin-Chu, Taiwan

TEL: +886-3-5798-797

FAX: +886-3-5646-929

E-mail: sales@davicom.com.tw