EN8850 Series

The Airoha® EN8850DHE/DRE is a highly integrated wired Ethernet switch with high performance and non-blocking forwarding capability. It includes a 7-port Gigabit Ethernet MAC and a 5-port Gigabit Ethernet PHY for home entertainment, home automation and small-medium business applications.

The Airoha® EN8850DHE/DRE integrates 2-port high speed SGMII interface for 2.5Gbps backbone or 1-port high speed SGMII interface plus 1-port RGMII for difference connectivity demand.

The Airoha® EN8850DHE/DRE enables an advanced power-saving feature to meet the market requirement. It complies with IEEE803.3az EEE and cable-length/link-down power saving mode.

With the most cost-competitive, lowest power consumption Ethernet and abundant features product in the industry, The Airoha® EN8850DHE/DRE is well positioned to be the core of next-generation switch, router, and home gateway system solution.

SPECIFICATIONS

- PRODUCT MODEL

EN8850DHE/DRE

- MAC 7-port MACs

- Embedded 5-port 10/100/1000Base-T PHY

- INTERFACES

2-port HSGMII@2.5Gbps (EN8850DHE)

1-port HSGMII@2.5Gbps + 1-port MII/RGMII (EN8850DRE)

- PACKAGE 128 pin QFP 14mm x 14mm

FEATURES

Accessible MAC/IGMP address table

- 2048 entries learned in 4-way hash
- Shared with IGMP table

Full 4K VLAN entries and double VLAN tag recognition

Support 2 LED pins on per UTP port

Link-down power saving

IEEE 802.3az Energy Efficient Ethernet

Up to 15K Jumbo frame

APPLICATION

Unmanaged Switch

Wireless router/ access point

Integrated home gateway