



RJ45 WITH INTEGRATED PHY



FEATURES

- Support for 802.3/802.3u/802.3ab
- Full/Half Duplex Operation
- Baseline Wander Compensation
- Extremely Low Power
- Support for Low Power modes
- IEEE compliant RMII Interface
- Complete Analog Design Enclosed within Part

ADVANTAGES

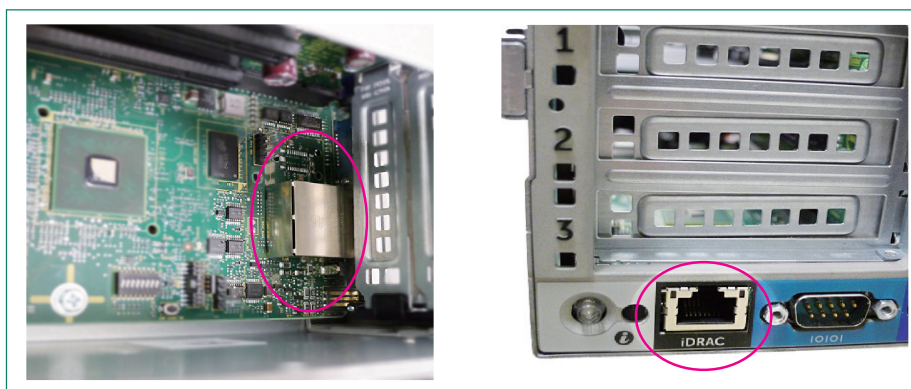
- Integrate Analog to Digital PHY to easy for digital Design
- Don't care differential signal impedance
- Reduce analog signal interference
- Save the main board design space

DESCRIPTION

Low Profile tab-up single port highly integrated RJ45 designed for applications that need IEEE compliant 10/100 and 1 Gigabit Ethernet. The KinnexA-Series RJ45 features the Realtek / Broadcom physical layer transceiver supporting applications where the physical layer is not included in the base chipset. Another key benefit is the inclusion of all analog circuitry for IEEE compliance using a single voltage rail making Ethernet designs less complex.

APPLICATIONS

- Mother Board
- Laptops
- Set-Top Box
- Cloud Server PC
- VOIP
- LAN Switch HUB
- Switch Router
- POS equipment
- AV system



ORDERING INFORMATION

Part Number	Description
KRH-01C-H-A02-C71	RJ45, WITH LED, with 10/100/1000 Magnetics and PHY+MAC (RTL 8111F), 8P,21C, Shielded.
KRH-01C-H-A03-C71	RJ45, WITH LED, with 10/100/1000 Magnetics and PHY (RTL 8211EG-VB), 8P,25C, Shielded.
KRH-01C-H-A04-C71	RJ45, WITH LED, with 10/100/1000 Magnetics and PHY (BCM54612 E), 8P,25C, Shielded.
KRH-01C-1-B01-C71	RJ45, WITH LED, with 10/100 Magnetics and PHY (RTL 8201E), 8P,16C, Shielded.

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