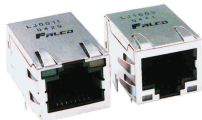




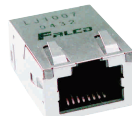
**10/100 Base-TX LANJack
RJ45 Single Port without LED**



**10/100 Base-TX LANJack
RJ45 Single Port with LED
Tap Up and Tap Down**



**1000 Base-TX LANJack
RJ45 Single Port with LED**



**10/100 Base-TX LANJack
1000 Base-TX LANJack
RJ45 Single Port
Low Profile with LED**



**10/100 Base-TX LANJack
1000 Base-TX LANJack
RJ45 Dual USB**



**10/100 Base-TX LANJack
Multiport**



**1000 Base-TX LANJack
Multiport Stacked 2x1**

LANJACK OFFERING FOR PC MOTHERBOARDS AND NETWORK DEVICES

FALCO offers the complete line of LANJack for PC motherboards, Access Points, Gaming Systems, LAN connected UPS's, Routers, IP Phones, Data Acquisition Systems, Modems and other Network Devices from 10/100 Mbps to 1000 Mbps both with and without USB ports. Most of LANJack with dual USB products are USB 2.0 compliant. Falco also offers lead free, Auto MDI/MDIX, TVS protection and Power over Ethernet LANJacks.

Falco's LANJacks are compatible with auto-insertion manufacturing processes. These connectors are configured as shielded designs with integrated magnetic and light emitting diodes (LED) are included in most models.

An integrated connector as opposed to the traditional discrete solution, brings both electrical efficiency and space saving benefits to the LAN circuit on the PC motherboard or the Network Devices and allows for a better control of the differential pair traces impedance and thus improves the signal integrity as well.

PHY TRANCEIVER CHIPS COMPATIBILITY

10/100Base-TX

- Broadcom BCM5221, BCM5222, AC101L
- Davicom DM9601, DM9331
- Intel 82559
- Micrel KS8721
- National Semiconductor DP83847
- Realtek RTL8150
- Most other 10/100Base-TX PHY ICs

1000Base-TX

- Broadcom BCM5421, BCM5703, BCM5705
- Davicom DM9701
- Intel 82544, 82545, 82547
- Marvel 88E1011, 88E1111
- National Semiconductor DP83861, DP83865
- Realtek RTL8110, RLT8169
- Most other 1000Base-TX PHY ICs

Our design team in Los Angeles, USA can accommodate specific schematic design needs for your particular applications.

FEATURES & BENEFITS

- Reduce costs for manufacturers due to the combining of two components into one
- Reduce PCB space for better EMI performance and signal integrity than discrete solution
- Require less board space than discrete option
- Meet or exceed IEEE 802.3 and ANSI X3.263 standards
- Designed for transmission over CAT 5 or CAT 6 cable
- Minimum of 1500 Vrms for 1 minute hipot isolation
- Operating temperatures range from 0°C to 70°C

APPLICATIONS

Data networking utilizes Unshielded Twisted Pair (UTP) as a transmission medium which is prone to noise pickup that leads to conducted and radiated noise emission. Therefore the filter is a must for the LAN system to pass FCC and signal integrity requirements.

Connectors with integrated magnetics are required for impedance matching, signal shaping and conditioning, high voltage isolation and common mode noise reduction and used in virtually in all internet and LAN interface devices including high-end servers, network interface cards (NICS) local area network cards (LAN).