



LTIMA

COMUNICAZIONE

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The **AC101L** provides all of the required features of an MII/RMII compliant 10/100TX/FX Ethernet transceiver. The **AC101L** has the lowest power consumption of any other single-port solution.

With a power dissipation of less than 200 mW, the **AC101L** is the industry's lowest-power Fast Ethernet PHY. It features an integrated voltage regulator, and can be supplied by either a 2.5V or a 3.3V power source. In addition, the **AC101L** has several intelligent power-down states that conserve power, yet allow products based on it to automatically turn on when needed. This feature is extremely useful in portable and power sensitive applications such as laptop LAN card adapters. Because most laptop users do not remove their LAN PC cards when working remotely, this feature results in a noticeably extended battery life for laptop computers.

**Network Tolerance**

The **AC101L** includes features that simplify the installation and maintenance of local area networks. One such feature is the HP Auto-MDIX capability, which automatically detects and corrects crossed cables. With HP Auto-MDIX, the installer does not need to know what is on the other end of the network cable; the **AC101L** automatically switches its transmit and receive circuitry to accommodate the link partner's polarity.

When all system costs are considered, such as power, heat, components and real estate, the **AC101L** provides the lowest overall system cost and most reliable design.