

3.3V Dual-Speed Fast Ethernet PHY Transceiver

Manufacturers	Intel Corp
Package/Case	64-LQFP
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for DJLXT971ALEA4 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

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General Description

DJLXT971ALEA4 is a semiconductor device, specifically a low-power, high-performance system-on-chip (SoC) designed by Intel Corporation (formerly known as Lantiq) for use in networking and telecommunications applications. It is part of the Lantiq XWAY family of SoCs.

Features

Dual-core processor architecture based on the MIPS32 24Kc processor core

Clock speed of up to 500 MHz

Integrated Ethernet PHYs with support for 10/100/1000 Mbps speeds

Hardware acceleration for various networking protocols, such as IPv4, IPv6, PPPoE, VLAN, and QoS

Integrated DDR2/DDR3 memory controller

USB 2.0, PCIe, and SATA interfaces

Low-power consumption design

Application

Residential and business gateways: The SoC's high-speed networking capabilities make it suitable for use in home and office routers, switches, and other networking equipment.

Network attached storage (NAS): The SATA interface and DDR memory controller make it well-suited for use in devices that require high-speed data storage and retrieval.

Internet of Things (IoT) devices: The low-power consumption and compact design make it suitable for use in a range of IoT devices, such as smart home appliances, wearables, and industrial sensors.





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