ADE4INLAN

Mini-ITX 4 LAN ports Adapter

Dimension：75 × 82 mm

Chipset：Intel 82574 GbE Controller

Features：

- Programmable host memory receive buffers (256 bytes to 16 KB)

- Intelligent interrupt generation features to enhance driver

performance

- Message Signaled Interrupts (MSI and MSI-X)

- Configurable receive and transmit data FIFO, programmable in

1KB increments

- Flow Control Support compliant with the 802.3X Specification

- VLAN support compliant with the 802.1Q Specification

- Compliant with the 1Gb/s IEEE 802.3 802.3u 802.3ab

Specifications

- IEEE 802.3ab auto negotiation support

- Full duplex operation at 10/100/1000 Mb/s

- Half duplex at 10/100 Mb/s

- Auto MDI, MDI-X crossover at all speeds

- TCP segmentation capability compatible with Large Send
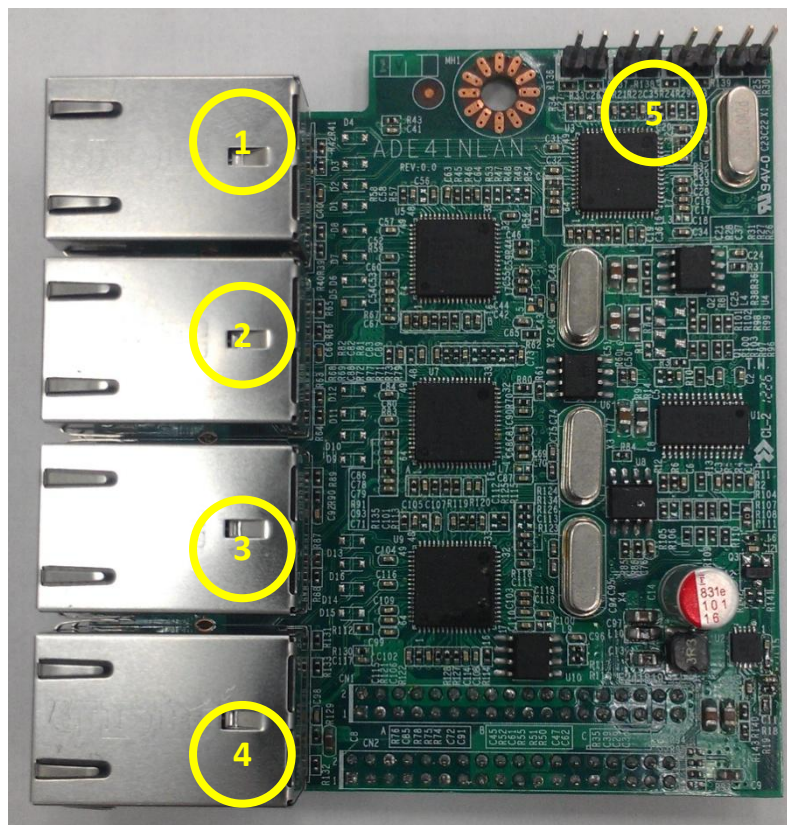
offloading features

- Support up to 256 KB TCP segmentation (TSOv2)

- Fragmented UDP checksum offload for packet reassemble

- IPv4 and IPv6 checksum offload support (receive, transmit, and

large send)

- Receive Side Scaling (RSS) with two hardware receive queues

- 9 KB jumbo frame support

- 40 KB packet buffer size

- NC-SI for remote management core

- Magic Packet* wake-up enable with unique MAC address

- ACPI register set and power down functionality supporting D0

andD3 states

- Full wake up support (APM and ACPI 2.0)

- Smart power down at S0 no link and Sx no link

Connectors＆Pin Definition：

1～4：LANA ~ LAND, 4 RJ45 LAN connectors

5：LANA_LED ~ LAND_LED

■ LED Anode
● LED Cathode