Search

Go

search for part number

search entire site

Manufacturers

Select one of our dedicated manufacturer sections

STMicroelectronics introduces ST802RT1 10/100 Ethernet transceivers



Click Here

You can now follow us on Blogger, Twitter, WordPress or Live Journal by clicking on the logos below.

Rate this page

1:Poor 5:Excellent

1 2 3 4 5

STMicroelectronics introduces ST802RT1 10/100 Ethernet transceivers



ST802RT1 is a high performance Fast Ethernet physical layer interface for 10Base-T, 100Base-TX and 100Base-FX applications. It is designed with advanced CMOS technology to provide MII and RMII interfaces for easy attachments to 10/100 Media Access Controllers. ST802RT1 supports the 10Base-T of IEEE802.3i, 100Base-TX of IEEE802.3u and 100Base FX of IEEE 802.3u (only B version).

The ST802RT1 supports both half-duplex and full-duplex operation at 10 and 100Mbps speed. Its operating mode can be set using auto negotiation, parallel detection or manual control. It also allows the support of auto-negotiation functions for speed and duplex detection. Utilizing the Auto MDI-X feature, the ST802RT1 automatically detects what is on the other end of the network cable and switches the TX & RX pins functionality accordingly.

Key Features

- IEEE802.3 10Base-T, IEEE802.3u
- 100Base-TX and 100Base-FX (ST802RT1B only) transceiver
- Auto MD I-X
- MII / RMII interface
- Optimized deterministic Latency for Real Time Ethernet Operation
- Supports external transformer with turn ratio 1.414:1 on Tx/Rx side
- Self-termination transceiver for external components and power saving
- Operation from single 3.3V supply
- 48-pin LQFP 7x7 package
- Extended Industrial Temperature – 40°C - + 105°C
- Power dissipation < 315mW Typical

Applications

- Industrial Automation, Embedded Computing, Point of Sales
- Serial Protocol Gateways, Building and Security Systems
- Network Systems, Test and Measurement Systems

Click here to view the datasheet

For more information, or details on the full range of STMicroelectronics products available from Anglia, please call +44 (0)1945 474747 or email info@anglia.com

Alternatively, click on this link to go to the main STMicroelectronics section where you can view other news articles and product data.

back to product news

Bookmark with: info?

Delicious Digg Reddit Facebook StumbleUpon
Show more

This news article was originally published in November 2010.

anglia designs anglia displays anglia embedded anglia green pages anglia Hi-Rel anglia lighting anglia M2M

Copyright © 1995-2010 Anglia Components Ltd.
Please read our Privacy Statement in conjunction with the Terms and Conditions of this Website.

8/11/10