

阅读申明

- 1.本站收集的数据手册和产品资料都来自互联网，版权归原作者所有。如读者和版权方有任何异议请及时告之，我们将妥善解决。
- 2.本站提供的中文数据手册是英文数据手册的中文翻译，其目的是协助用户阅读，该译文无法自动跟随原稿更新，同时也可能存在翻译上的不当。建议读者以英文原稿为参考以便获得更精准的信息。
- 3.本站提供的产品资料，来自厂商的技术支持或者使用者的心得体会等，其内容可能存在描述上的差异，建议读者做出适当判断。
- 4.如需与我们联系，请发邮件到marketing@iczoom.com，主题请标有“数据手册”字样。

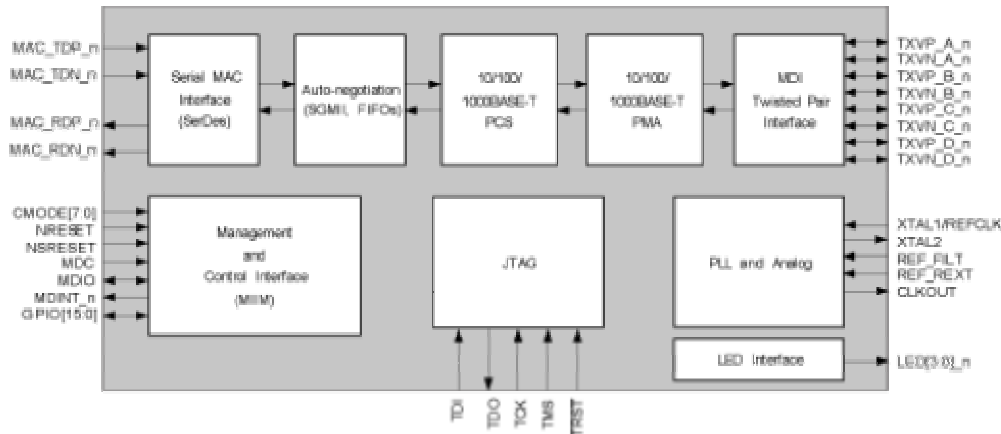
Read Statement

1. The datasheets and other product information on the site are all from network reference or other public materials, and the copyright belongs to the original author and original published source. If readers and copyright owners have any objections, please contact us and we will deal with it in a timely manner.
2. The Chinese datasheets provided on the website is a Chinese translation of the English datasheets. Its purpose is for reader's learning exchange only and do not involve commercial purposes. The translation cannot be automatically updated with the original manuscript, and there may also be improper translations. Readers are advised to use the English manuscript as a reference for more accurate information.
3. All product information provided on the website refer to solutions from manufacturers' technical support or users the contents may have differences in description, and readers are advised to take the original article as the standard.
4. If you have any questions, please contact us at marketing@iczoom.com and mark the subject with "Datasheets" .



Home » Products » 1GE PHYs » VSC8634

Quad 10/100/1000BASE-T Transceiver



The VSC8634 is a low-power quad Gigabit Ethernet transceiver ideal for high-density switch and router applications. The device's compact package is optimal for multiport switch applications. Vitesse's mixed signal and DSP architecture yield robust performance, supporting both full and half duplex 10BASE-T, 100BASE-TX, and 1000BASE-T over >140 meters of Cat5, unshielded twisted pair cable, with industry leading tolerance to NEXT, FEXT, Echo, and system noise.

Key Features

- Low power consumption of 648 mW per port in 1000BASE-T mode
- Compliant with IEEE 802.3 (10BASE-T, 100BASE-TX, and 1000BASE-T) specifications
- Low EMI line driver with integrated line side termination resistors
- ActiPHY™ power management system with built-in intelligence and saving modes

Applications

- ATCA™ 3.0 and PICMG™ 2.16 Ethernet backplane applications
- Tri-speed media 10/100/1000BASE-T systems

Press Release

- Vitesse Announces Availability of Breakthrough Crosspoint Switch











Related Products

- Ethernet Switches

- Ethernet MACs

Product Variants	Description
VSC8634XIC	256-pin 17x17mm PBGA package, Pb-free second-level interconnect

Category	Title	Access	Revision	Posted	Type	Size
Product Brief	Energy Efficient Solutions for Ethernet Electronics		1.1	10/01/2008		460 kB
Product Brief	VSC8634 Product Brief		1.2	04/25/2008		2 MB
Datasheet	VSC8634 Datasheet		4.1	06/10/2009		751 kB
Application Note	ActiPHY Power Management		1.0	07/01/2009		76 kB
Application Note	Magnetics Guide		1.2	07/01/2009		373 kB
Application Note	PMA Testing for 100/1000BASE-T		1.0	07/01/2009		231 kB
Application Note	Transformerless Ethernet Designs		1.1	07/01/2009		81 kB
Application Note	VeriPHY Cable Diagnostics		1.0	07/01/2009		108 kB
Application Note	VSC8634 PCB Design and Layout Guide		1.0	04/25/2008		157 kB
User Guide	Copper PHY Bring Up Guide		1.0	07/21/2009		76 kB
Model	OrCAD Symbol		1.0	04/25/2008		5 kB
Model	SPICE Model		1.0	05/23/2008		1 MB
Model	VSC8634 BSDL File		1.1	06/16/2009		7 kB
Reference Design	Reference Design Schematics for VSC8664 and VSC8634		0.2	04/25/2008		1 MB
Software	PHY API Software and Programmers Guide		2.44	03/09/2009		109 kB
Reports	VSC8654IC, VSC8634IC, VSC8664IC and VSC8664IC-03 Material Composition Declaration		2.0	07/22/2009		1 MB
Reports	VSC8654XIC, VSC8634XIC, VSC8664XIC and VSC8664XIC-03 Material Composition Declaration		1.0	02/17/2009		1 MB
Reports	VSC8654XIC, VSC8634XIC, VSC8664XIC and VSC8664XIC-03 Material Composition Declaration		1.0	10/15/2008		1 MB
	First Level Product Qualification Report for					26

Reports	VSC8634IC		1.0	04/15/2009		kB
Reports	First Level Product Qualification Report for VSC8634IC-03		1.0	04/15/2009		26 kB
Reports	First Level Product Qualification Report for VSC8634XIC		1.0	04/15/2009		26 kB
Reports	First Level Product Qualification Report for VSC8634XIC-03		1.0	04/15/2009		26 kB
Reports	UNH Reports		2.1	05/20/2009		6 MB

Copyright © 1997-2009 by Vitesse Semiconductor Corporation.

Although Vitesse has attempted to provide accurate information on the Site, Vitesse assumes no responsibility for the accuracy of the information, which may contain technical or other inaccuracies, omissions or typographical errors. Vitesse may change any of the information or other materials on the Site at any time without notice.