VIA Networking Product Portfolio

VIA Networking meets the ever-changing demands of the networking and communications markets by anticipating and developing the most appropriate new technologies to satisfy customer needs in terms of functionality, performance and cost-effectiveness. The company unites its industry partners, including leaders in the PC Industry widening the choices available to both its customers and the individuals and businesses that buy from them.

Rhine Ethernet Controllers

The VIA Networking Rhine product family comprises 10/100Mbps Ethernet Network Interface Card (NIC) controllers for the PCI bus interface, compliant with the PCI 2.0/2.1/2.2 specifications. Supporting dynamic media speeds and major network operation system device drivers with a standard 100Mbit MII interface, the VIA Rhine controllers can be configured to 10Base-T, 100Base-TX and 100Base-FX devices at full or half duplex operation, with PCI plug-and-play compatibility, a high performance PCI bus mastering structure and powerful buffer management features, making it ideal for a range of commercial networking applications.

Product	Package Type			Possible Application	Spec.
	Pin No.	Type	Size		
VT6105M	128	PQFP	14x20	Network Interface card	10/100 Management single LAN chip
VT6106H/L	128	PQFP	14x20	Network Interface card/LOM	10/100 3 in 1 single LAN chip
VT6106S	128	LQFP	14x14	LAN on Motherboard	10/100 3 in 1 single LAN chip with smallest foot print
VT6107	128	LQFP-EP	14x14	LAN on Motherboard	10/100 LAN chip: pin to pin with VT6122

Velocity Gigabit Ethernet Controllers

The VIA Networking Velocity™ series of Gigabit Ethernet controllers enable leading-edge performance in a highly integrated package, making them ideal for a diverse range of PC client or server LAN on Motherboard (LOM), and Network Interface Card (NIC) applications. Integrating a feature laden MAC and Cicada's patented SimpliPHY™ transceiver, the Velocity Controllers are optimized for space constrained systems with a low power, low profile design.

Product	Package Type			Possible Application	Spec.
	Pin No.	Type	Size		
VT6120	196	LBGA	15x15	Network Interface card	Gigabit-NIC, 32bit, 33/66MHz
VT6122	128	LQFP-EP	14x14	Network Interface card	Gigabit-NIC, 32bit, 33/66MHz

Atlantic Switch Controller Solutions

The VIA Networking Atlantic product family combines the benefits of network scalability, manageability and plug and play connectivity. Their highly integrated feature set enables network system manufacturers to build next-generation, intelligent switches for the fast-growing small to medium business market segment at price points only previously possible with unmanaged switches and repeaters.

Product	Package Type			Possible Application	Spec.
	Pin No.	Type	Size		
VT6510	208	EDHS-PQFP	28x28	Switch	8 + 2G Management
VT6510A	208	EDHS-PQFP	28x28	Switch	8 + 2G Smart
VT6510B	208	EDHS-PQFP	28x28	Switch	9 + 1G Management
VT6510C	208	EDHS-PQFP	28x28	Switch	9 + 1G Smart
VT6524	208	EDHS-LQFP	28x28	Switch	24 Smart/Dumb
VT6526	208	EDHS-LQFP	28x28	Switch	24 + 2G Management
VT6526A	208	EDHS-LQFP	28x28	Switch	24 + 2G Smart
VT6526B	208	EDHS-LQFP	28x28	Switch	24 + 2 Management
VT6527	208	EDHS-LQFP	28x28	Switch	24 + 2 Web Smart

Tahoe Ethernet PHY Solutions

The VIA Networking Tahoe product family comprises single chip Fast Ethernet Physical Layer and Transceiver solutions that interface to a Media Access Controller (MAC) through an MII interface ensuring the easy implementation of 10/100 Mbps Fast Ethernet LANs and full interoperability between products from different vendors

Product	Package Type			Possible Application	Spec.
	Pin No.	Type	Size		
VT6103	48	SSOP	16x7.5	L2 Switch, NB/ DT PC	10/100 Single Port PHY (without fiber supported)
VT6103L	48	LQFP	7x7	L2 Switch, NB/ DT PC	10/100 Single Port PHY (without fiber supported)
VT6103F	48	SSOP	16x7.5	for Switch, NIC	10/100 Octal PHY (with fibermode supported)
VT6108	208	PQFP	28x28	L2 Switch PHY	10/100 Octal PHY
VT6108S	128	PQFP	14x20	L2 Switch PHY	10/100 Octal PHY

1394 Controller and PHY Solutions

The VIA Networking offers complete single chip IEEE 1394 solutions that provide high-speed seamless plug and play connection to the latest IEEE 1394 enabled PC peripherals and consumer devices such as HDDs, printers, stereos and video cameras. Solutions such as VIA Networking's 1394 HOST controllers boast integrated Link and Physical Layers, enabling a more cost effective, easier to design solution for customers looking to add 1394 capabilities to their product lineup.

Product	Package Type			Possible Application	Spec.
	Pin No.	Type	Size		
VT6306	128	PQFP	14x20	1394 Interface Card	1394a PCI Host link + PHY, 3 port
VT6306L	128	LQFP	14x20	1394 Interface Card	1394a PCI Host link + PHY, 3 port
VT6307	128	PQFP	14x20	1394 Interface Card, 1394 on MB	1394a PCI Host link + PHY, 2 port
VT6307L	128	LQFP	14x20	1394 Interface Card, 1394 on MB	1394a PCI Host link + PHY, 2 port
VT6307S	128	LQFP	14x14	1394 Interface Card, 1394 on MB	1394a PCI Host link + PHY, 2 port
VT6312	48	LQFP	7x7	1394 on Information Applicance and Customer product	1394a PHY, 2 port

Wireless Solutions

VIA Networking has been aggressively developing the latest Wireless solutions, from the earliest Bluetooth solutions to the latest wireless LAN (WLAN) controller chips. Our WLAN products have received Wi-Fi certifications-true testaments to our comprehensive experience and mature designs.

Product	Package Type			Possible Application	Spec.
	Pin No.	Type	Size		
VT6651	191	LFBGA	13x13	miniPCI Card	802.11b MAC + Baseband, PCI 2.2, MiniPCI, Cardbus
VT6655	128	LQFP	14x14	miniPCI Card	802.11a/b/g MAC + Baseband, PCI 2.2, MiniPCI, Cardbus
VT6656	128	LQFP	14x14	USB Dongle	802.11 a/b/g MAC + Baseband USB 2.0 Dongle

VIA Networking Technologies, Inc.

VIA Networking Company Overview

Established in 2002, VIA Networking Technologies Inc. is a leading developer of networking silicon technologies, with a broad product portfolio including Ethernet Networking Controllers, Network Switch Controllers, and PHY-Tranceivers, delivering Fast and Gigabit Ethernet networking connectivity through standard and fibre optic technology for home and corporate applications, as well as 1394 and wireless solutions to meet growing market demand. With over seven years of experience in Networking product development, VIA Networking remains committed to developing leading edge products that feature premium quality, combined with careful attention to our customers needs in whatever we do.

VIA Networking employs over 160 people worldwide, approximately 80% of which are engineers. The company's highly skilled and experienced engineering staff is complemented by a strong multinational management team with an extensive technical background. This mixture of engineering and managerial talent, supported by the company's global marketing and sales teams, has laid the foundations for the companies continued success in the networking and communication chip markets.