

On-line Transaction Processing Host Concentrator

Enterprise BSC Connector

Enterprise SNA Connector

Supports up to 1000 Logical Units

Redundant T1 Links with Unattended Failover



Vanguard Networks now offers fixed configuration, application-specific Solution Package bundles for financial applications. These specially-priced bundles provide the latest in Vanguard's networking capabilities to converge SNA, Serial, and SCADA with IP and voice applications on today's broadband, MPLS, and wireless networks.

The OLTP Host Concentrator is a package built on the new Vanguard 6800 Series platform. The Model 6840 can be used in the data center to terminate small, medium and large networks using 'rack mount' independent platforms. The Model 6841 also includes AES Encryption. Each 6800 is bundled with the Vanguard SNA+ ApplicationsWare which includes the Enterprise BSC Connector and Enterprise SNA Connector software.

Vanguard Enterprise BSC Connector provides a gateway into a carrier network from any remote location, and LAN based termination of the network into the central site data center. Any BSC ATM or bank host processor can be connected to the remote Vanguard gateway. The gateway terminates the BSC3270 or BSC2780/3780 protocols and sends only the data across the network, without tunneling.

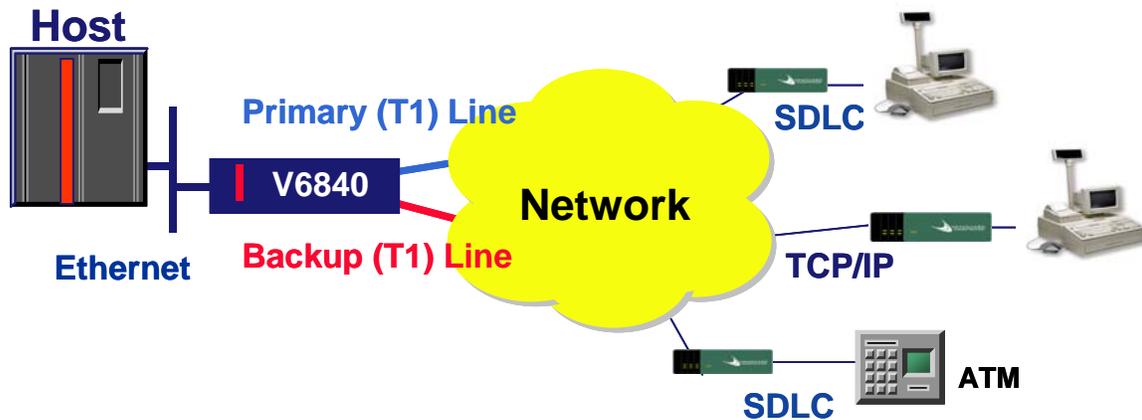
Vanguard ESC provides a gateway into a carrier network from any remote location, and LAN based termination of the network into the central site data center. Any SDLC (WAN) or LLC2 (LAN) connected ATM, POS or financial controller can be connected to the remote Vanguard gateway. The gateway terminates the SDLC or LLC2 protocols and sends only the data across the network, without data link switching which sacrifices performance due to high overhead.

The OLTP Host Concentrator then sends transaction data to an HP NonStop or IBM SNA host over a high speed LAN Ethernet connection.

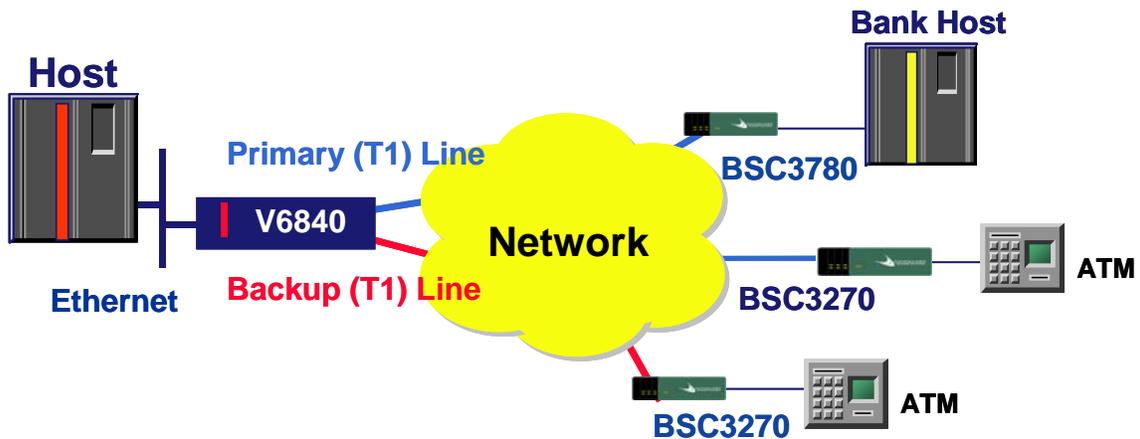
Vanguard Networks secure financial gateways route data, not protocols. The BSC protocols are terminated at the remote site and SNA is confined to the data center providing a pure data network with high performance and resiliency and minimal overhead.



In Enterprise SNA Connector applications the OLTP Host Concentrator includes connectivity for redundant T1/E1 links specifically designed to channel host SNA and Non-SNA application data from the primary to backup T1 links without human intervention.



When used with the Enterprise BSC Connector software feature, the OLTP Host Concentrator will support up to 1000 remote ATM machines or Bank Processor links. Configuration options built into the package will allow users to define remote ATM or Bank Processor locations over either of the two T1/E1 host links preventing a single point of circuit failure.



OLTP Host Concentrator	OLTP Host Concentrator w/Encryption
Vanguard 6840, ApplicationsWare SNA+Serial Release 7.0, Three (3) Serial Ports , Two (2) 10/100 Ethernet Ports, Two (2) T1/E1 Modules and Power Cord	Vanguard 6841, ApplicationsWare SNA+Serial Release 7.0, Three (3) Serial Ports , Two (2) 10/100 Ethernet Ports, Two (2) T1/E1 Modules and Power Cord



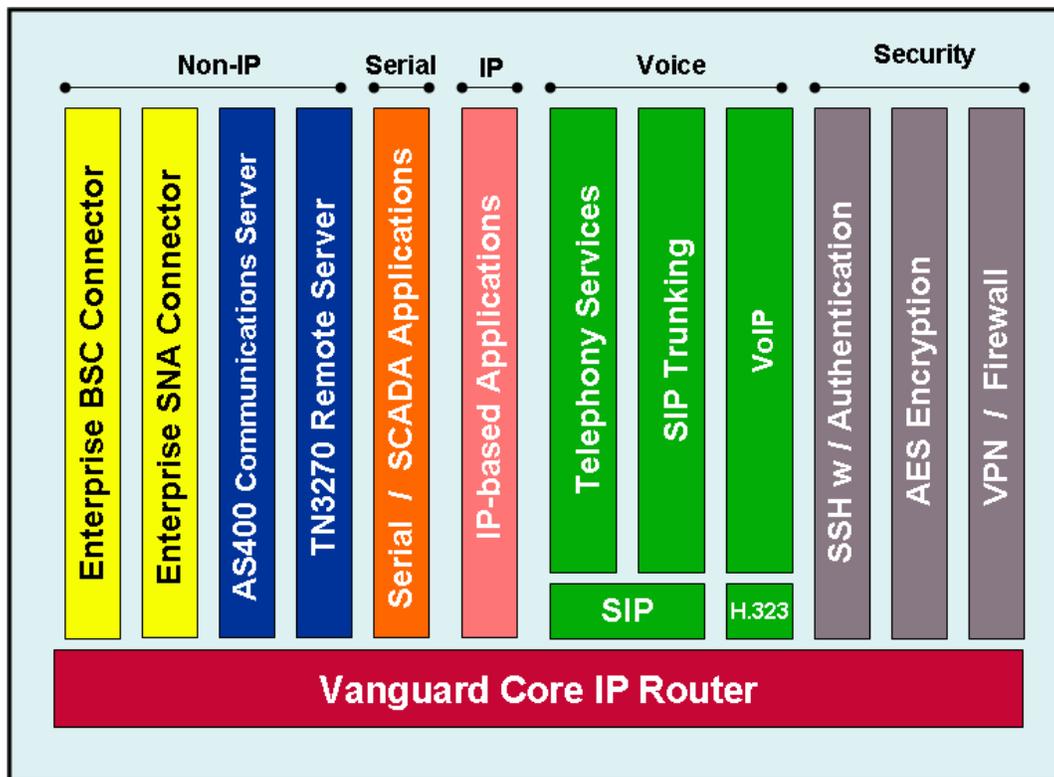
Vanguard Networks is an IBM "Partner in Development" and an Advanced Level Member of the IBM Business Partner program.

The Vanguard Router Platform

The Vanguard base platform is a full-function IP WAN router, not just a limited capability protocol converter. The Enterprise BSC Connector is just one of the business-specific applications in the Vanguard ApplicationsWare™ software suite which runs on the Vanguard IP router platform. Other network vendors' solutions suggest that you should displace all Non-IP systems and applications with IP-based infrastructure to then implement their network solution. That would be equivalent to requiring replacement of existing cost-effective and performing infrastructure solely to accommodate new "plumbing", which is contradictive to a company business and fiscal strategy.



In addition to enabling connectivity to today's most advanced IP network technologies such as MPLS, broadband and wireless, the Vanguard Networks solution supports all of your IP-based applications while simultaneously driving Non-IP (BSC, SNA, SDLC), AS400 (i-Series) Communications, Serial data, SCADA applications, and SIP Telephony Voice Services across a "single network".



Enterprise BSC Connector and Enterprise SNA Connector are some of the applications offered in the ApplicationsWare suite that operate on the Vanguard IP Router base platform. All applications can be run across a single wide area network environment.

Networking Solutions from Vanguard

Vanguard Networks provides converged network solutions deploying emerging transformation technologies to integrate voice, data, and video over a single network combining the latest architectures such as MPLS, Broadband VPN, and SIP Trunking to take advantage of the tremendous cost savings and value added services offered today. The Vanguard advantage enables non-IP SNA, SCADA, and serial data and voice access into these heretofore IP-only networks as an element of the IP convergence solution.

Services

System Support

Vanguard Networks support services range from web-based services that provide access to our knowledge base, diagnostic tools, software, and system fixes – to extensive remote and on-site expertise, combined to solve customer problems expeditiously.

The Vanguard Networks Customer Service Center is a single point of access to multiple levels of resources where problems are escalated appropriately to the most efficient skill set to handle each problem. Whether your network problem requires investigation by a software specialist or 4-hour on-site parts delivery, everything is coordinated from that first call.

Network Implementation

For over three decades, Vanguard Networks has helped thousands of customers implement successful cost effective networks. We have seamlessly managed over one hundred daily network installations, all without impacting revenue-generating core business objectives. When you've got critical time scales for deployment, count on Vanguard Networks.

With our best in class network implementation services, you'll get a team of experienced professionals to integrate your network from start to finish. You'll retain ultimate network control, while benefiting from the knowledge and support of our specialists.

For more information, contact your local Vanguard Networks representative or call 800.544.0062 and select option 6.

www.vanguardnetworks.com