



FOUNDRY
NETWORKS

The Power of Performance™

PRODUCT GUIDE

IRONCLAD NETWORK PERFORMANCE

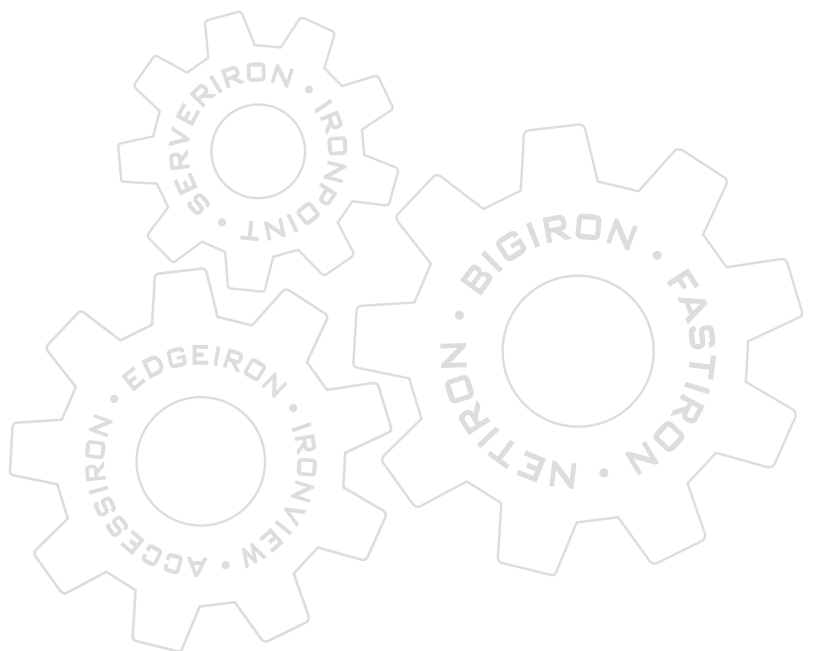


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FOUNDRY'S MISSION:

TO BE THE RECOGNIZED LEADER
AND INNOVATOR IN HIGH-
PERFORMANCE LAN, METRO,
WEB SWITCHING & INTERNET EDGE
ROUTING BUILT ON A FOUNDATION
OF SUPERIOR CUSTOMER SUPPORT



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Founded in 1996, Foundry Networks® designs, develops, manufactures, and markets a comprehensive, end-to-end suite of high-performance Ethernet Layer 2 and Layer 3 switches, metro routers, and Internet traffic management products for healthcare, financial services, universities, entertainment, government, technology enterprises, as well as metro and Internet service providers. Our product suite includes the FastIron® family of Layer 2/3 enterprise switches, the BigIron® family of Layer 3 backbone switches, the EdgeIron™ family of Layer 2 wiring closet switches, the NetIron® family of metro routers, the ServerIron® Layer 4-7 traffic management switches, the AccessIron™ family of routers for WAN T1/E1 to service providers, and IronPoint™ for wireless services.

THE LEADER IN 10-GIGABIT ETHERNET

Foundry continues to lead the market in Layer 3 10-Gigabit Ethernet (10-GbE). Our #1 market share position is fueled by our superior implementation of 10-Gigabit technology and functionality across our product line. Foundry's chassis products have been 10-Gigabit ready since 1998, so upgrading to 10-GbE for many of our customers has been as simple as installing a new module. Our terabit products, the BigIron® MG8 backbone switch and the NetIron® 40G Metro router have been deployed by the world's leading enterprise supercomputing sites, service providers, and universities.

BUSINESS VALUE TODAY AND TOMORROW

10-Gigabit Ethernet is more than the highest bandwidth possible today. 10-GbE is rapidly becoming the unification technology for enterprise, metro, and wide area networks. 10-GbE allows companies to create a consistent, high-speed network capable of supporting storage, multimedia, and traditional data services with simplified management. This high-performance infrastructure is one of the keys to building a next-generation network capable of supporting our customers' business requirements in the foreseeable future. In addition to 10-GbE, Foundry continues to innovate and develop solutions with wireless, converged data and voice networking (VoIP), security, and Internet Protocol version 6 (IPv6).



**FOUNDRY
NETWORKS**

The Power of Performance™

"After rigorous testing, we chose the Foundry solution because it offered us the best capacity and resiliency and an elegant, easy-to-use interface. Foundry definitely raised the bar for performance and was also very responsive in meeting Lava's specific business goals by providing timely solutions to technology requirements."

Tom Case
Director of Network Technology
Lava Trading, Inc.

"The Red Storm supercomputer required a high-performance networking solution. BigIron MG8 satisfied Sandia's needs. It was important to Sandia to choose an optimized high-performance networking solution to achieve our performance goals."

Leonard Stans
National Nuclear Security Administration (NNSA)
Sandia National Laboratories

"The attraction of 10-Gigabit Ethernet is that it's ubiquitous Ethernet but just 10 times faster, and compared to OC192 SONET/SDH, the cost is dramatically lower. The project with Foundry has enabled us to stay well ahead of demand and ensure room for growth. The rollout was flawless."

Mike Hughes
Head of Network Architecture
London Internet Exchange



PRODUCT CLASSIFICATIONS

✿ LAYER 2/3 ENTERPRISE SWITCH FOR

- Workgroup Switching
- Aggregation/Distribution
- POE for Convergence
- Enterprise Wiring Closet
- High-Density Data Center Connectivity

✿ LAYER 3 BACKBONE SWITCH FOR

- Large-scale Enterprise Backbone
- Metro Area Network CPE and Core
- Internet Data Center LAN Backbone
- Co-location Gigabit Ethernet Aggregation
- Gigabit Storage Area Networks

✿ METRO ROUTER FOR

- Internet Edge Routing
- Internet Access and Peering
- WAN and LAN Backbone
- Metro and Regional Area Network Backbone

✿ LAYER 4-7 APPLICATION SWITCH FOR

- Server Load Balancing
- Global Server Load Balancing
- Transparent Cache Switching
- Firewall Load Balancing
- Content Delivery Networks
- Streaming Media Acceleration

✿ WIRELESS LAN

- IronPoint 200 Access Points
- Integrated Wired and Wireless LAN Switch
- Wireless Accessories

✿ WAN ROUTER

- AccessIron Series
- T1/E1 Access

✿ NETWORK MANAGEMENT

- IronView

OVERVIEW

Foundry Networks® offers a complete line of high-performance switches and routers for enterprise and service provider networks, enabling deployment of feature-rich and secure network infrastructures to support advanced data, voice, and video applications. Foundry's products are designed to provide industry-leading features, performance, reliability, and scalability for a wide range of infrastructure deployments including Enterprise, wiring closet, LAN backbone, data center, server farm, and metropolitan area networks. Foundry's products are built using standards-based technologies, an industry-standard CLI, a consistent hardware and software implementation, and a comprehensive management system from the network edge to the backbone. Customers benefit from lower network total cost of ownership (TCO) through ease of migration, integration, training, and support. Foundry Networks' products are backed by an award-winning technical support organization, which offers worldwide, 24-by-7 support to help customers keep their mission-critical networks running at the highest and most reliable performance levels.

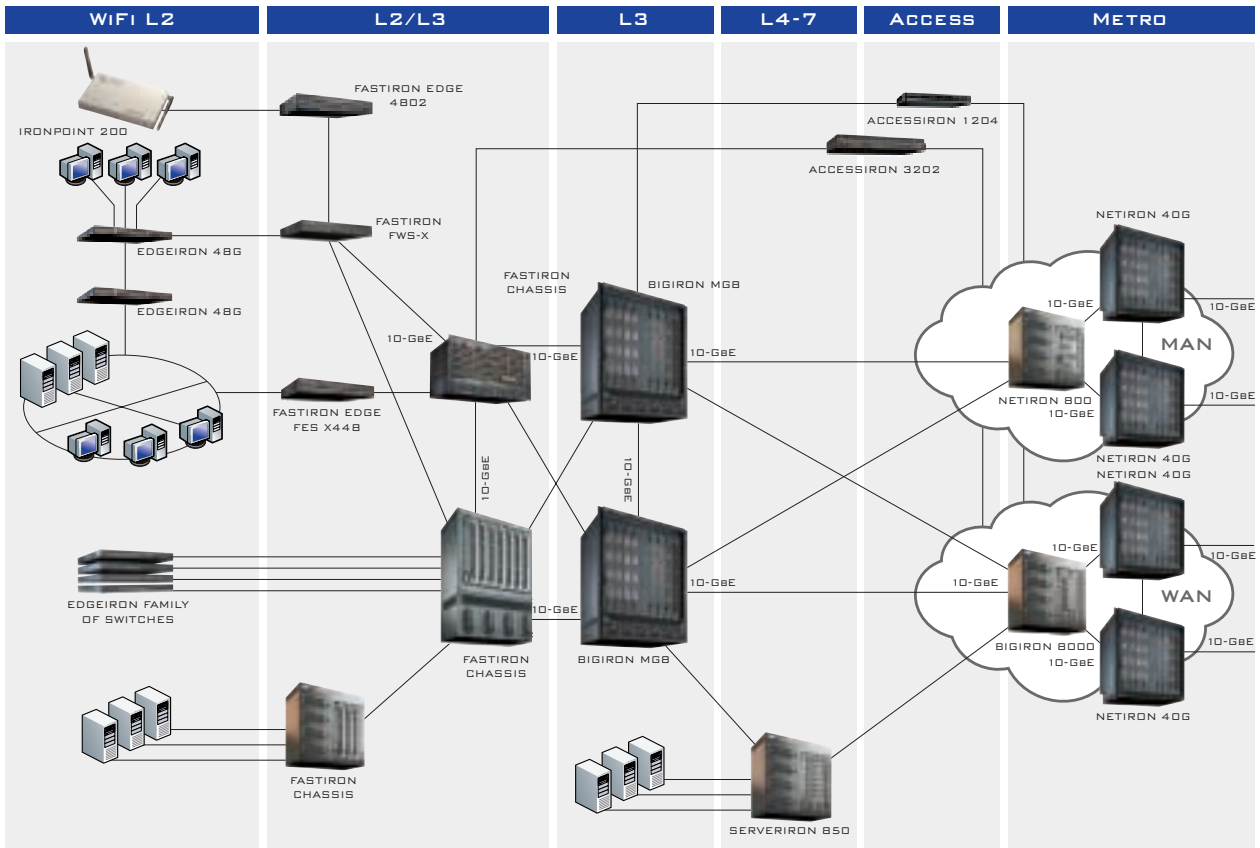
Foundry's products are built around the advanced Terathon™, JetCore® and IronCore® ASICs and IronWare™ switching and routing software suite. Foundry's products include the FastIron® family of Layer 2/3 LAN switches, the BigIron® Layer 3 switches, the NetIron® Metro routers, the ServerIron® family of Layer 4-7 web traffic management switches, EdgeIron™ mid-range Layer 2 switches, WAN AccessIron routers, and IronView network manager system. Available network interfaces range from 10/100/1000 Gigabit over Copper (GoC) Ethernet, Gigabit Ethernet, and 10-Gigabit Ethernet, to OC-3/SDH ATM and OC-3/STM1, OC-12/STM4, and OC-48/STM16 Packet Over SONET/SDH.

Foundry's comprehensive security and management solutions include the revolutionary sFlow™ traffic monitoring system, which provides real-time, wire-speed network monitoring and capacity planning throughout the network. All of Foundry's products provide a consistent, easy-to-use network management interface including a command line interface, a Web-based graphical user interface (GUI), and an SNMP management interface.

Foundry's combined product breadth delivers global end-to-end solutions within and throughout a customer's networking infrastructure. By providing unmatched price/performance, reliability, and rich functionality, Foundry products are essential in high-performance, highly available, and intelligent mission-critical networks.



FOUNDRY'S GLOBAL ETHERNET





LAYER 4-7 LOAD BALANCING SWITCHES FOR SCALABILITY, AVAILABILITY AND SECURITY OF APPLICATIONS AND SERVER FARMS

The ServerIron® family of Layer 4-7 application switches is the industry leader in load balancing servers, firewalls, caches, ISP links, and data centers with high-performance Layer 4-7 application switching and integrated Layer 2/3 functionalities. ServerIron switches enable network managers to build and secure business-critical application infrastructure that is massively scalable and always available. Business-critical applications are protected with IronShield™ security against multiple forms of denial of service (DoS), virus and worm attacks. Many of the world's most demanding enterprise, service provider, e-commerce and government organizations rely on ServerIron switches to enable highly secure and always-on applications.

ServerIron switches are built with Foundry's custom ASIC architecture and advanced network processor technology. Powered by the TrafficWorks IronWare™ operating system, the ServerIron solution offers the industry's most advanced and comprehensive features. Foundry's ServerIron family of switches meets a range of customer needs and features the following platforms:

- ServerIronXL—Stackable switches with a choice of 16 and 24 10/100 Ethernet ports, and optional Gigabit uplinks
- ServerIronGT E-Series—High availability, expandable and performance upgradeable switches with a choice of four performance and port configurations
 - Two-port Gigabit up to 50,000 L4 connections per second
 - Sixteen-port Gigabit up to 50,000 L4 cps
 - Four-port Gigabit up to 100,000 L4 cps
 - Two-port 10 Gigabit up to 150,000 L4 cps
- ServerIron 450—Modular 4-slot switch with up to .48 Gigabit copper or 48 Gigabit or 48 10/100 Ethernet ports (3rd generation management module and JetCore® line modules)
- ServerIron 850—Modular 8-slot switch with up to .112 Gigabit fiber or 112 Gigabit or 144 10/100 Ethernet ports (3rd generation management module and JetCore line modules)
- ServerIron 100/400/800—Fixed configuration and modular systems used by the most demanding customers with 10/100 and Gigabit options
- ServerIron SA—1- and 2-RU SSL Accelerator

With IronShield™ security, the ServerIron switches act as a line of defense to application infrastructure and allow network managers to proactively eliminate security vulnerabilities. Standards-based sFlow network monitoring, when used in combination with Foundry's IronView® Network Manager (INM), allows network administrators to quickly identify the source of the attack and take corrective action.

ServerIron switches provide the foundation for high application availability, disaster recovery, location and server transparency, and investment protection. They optimize server resource utilization and application efficiency, resulting in immediate improved return on investment (ROI).

KEY FEATURES

- ✿ Industry's highest performance, port density, and price/performance
- ✿ Multi-Gigabit rate DoS attack protection while maintaining peak application performance
- ✿ Rich Layer 7 intelligence with URL, HTTP, XML, Cookie and SSL ID switching for broad application support
- ✿ Disaster recovery and multi-site scalability with Global Server Load Balancing
- ✿ Integrated Layer 2/3 functionality for reduced cost and network design simplicity
- ✿ Advanced high availability load balancer with stateful failover to protect active transactions in progress
- ✿ Industry's first high-availability 10 Gigabit application switch
- ✿ Link Balancer for maximizing ISP utilization and reducing service cost
- ✿ SSL Accelerator

LAYER 2 WIRING CLOSET SWITCHES

FAMILY OF INTELLIGENT LAYER 2 SWITCHES

Foundry Networks® EdgeIron® family delivers a cost-effective solution for the enterprise wiring closet, small backbone, server farm, and desktop applications for high-performance local area networks. The EdgeIron family of 10/100, 10/100/1000, and 10-Gigabit Ethernet switches delivers interface flexibility, wire-speed performance, superior port density, and a complete, standard Layer 2 feature set to address the needs of enterprise users. The EdgeIron products come in a 1-rack unit (RU) form factor, enabling seamless installation within a wiring closet, distribution, and data center environment.

The EdgeIron 10/100 products include greater flexibility for any Gigabit Ethernet uplink installation with their support of combo Gigabit Ethernet, which can be used as 10/100/1000, or fiber Gigabit Ethernet using a mini-GBIC. The EdgeIron 10/100 products are as follows:

- EdgeIron 2402CF—24-port 10/100 and 2-port combo Gigabit Ethernet
- EdgeIron 4802CF—48-port 10/100 and 2-port combo Gigabit Ethernet

The EdgeIron standalone 10/100/1000 products deliver greater performance and are ideal for applications that require high-speed networking. The EdgeIron standalone 10/100/1000 products are as follows:

- EdgeIron 24G—20-port 10/100/1000 and 4-port combo Gigabit Ethernet
- EdgeIron 48G—44-port 10/100/1000 and 4-port combo Gigabit Ethernet

The EdgeIron 10/100/1000 with 10-Gigabit Ethernet (10-GbE) stackable products deliver support for true stacking to deliver 384 10/100/1000 ports and 8 10-GbE ports. The EdgeIron 10/100/1000 with 10-Gigabit Ethernet stackable products are as follows:

- EdgeIron 24GS—20-port 10/100/1000, 2-port stacking, 4-port combo Gigabit Ethernet, and an optional slot for a 10-GbE expansion module
- EdgeIron 48GS—24-port 10/100/1000, 2-port stacking, 4-port combo Gigabit Ethernet, and an optional slot for a 10-GbE expansion module

The EdgeIron 10-Gigabit Ethernet product is the industry's first 10-Gigabit Ethernet switch in 1RU. The EdgeIron 10-Gigabit Ethernet product is as follows:

- EdgeIron 8X10G—8-port 10-Gigabit Ethernet that supports SR, LR, and ER 10-Gigabit Ethernet XFP optics, and includes a 10/100 port for out of band management facility.



KEY FEATURES

- ✿ Cost-effective solution for high-performance LAN environments in a 1-RU form factor
- ✿ Wire-speed performance, auto-sensing, and auto MDI/MDIX on all ports
- ✿ Combo Gigabit Ethernet ports to deliver integrated RJ-45 (copper) or mini-GBIC (fiber) for uplink installation
- ✿ Support for jumbo frames of up to 9,126 bytes, ideal for high-end server connectivity and network attached file servers
- ✿ IEEE 802.1q and 802.1p (Class of Service) with 4 hardware queues per port to enable prioritization of mission-critical applications
- ✿ Per-VLAN Spanning Tree (PVST) for broadcast isolation and 802.3ad for automatic link aggregation
- ✿ User-based secure management such as port security, 802.1X, and multi-device authentication
- ✿ 802.1w Rapid Spanning Tree Protocol for superior network reliability
- ✿ Support for Generic VLAN Registration Protocol (GVRP)
- ✿ Internet Group Management Protocol (IGMP) snooping
- ✿ Low latency—as low as 10µs, ideal for advanced applications like VoIP and video conferencing over IP
- ✿ Extensive management and monitoring features, including an industry-standard CLI, secure web-based GUI, integrated SNMP agent with mini-RMON and Secure Shell for secured and encrypted management access



EDGEIRON



FastIron X Stackable

ENTERPRISE SWITCHES

INTELLIGENT PRODUCTS FOR HIGH PERFORMANCE, 10 GIGABIT AND CONVERGED NETWORKS



The FastIron® Edge switches provide greater flexibility, higher reliability, enhanced security, extensive redundancy, and expanded resiliency—while simplifying network management complexity and reducing ongoing training expenses. The FastIron Edge switches increase Return on Investment (ROI) and decrease their total cost of ownership (TCO) by using common sparing components and offering improved functionality through a common feature set controlled by industry standard Command Line Interface (CLI) syntax, all in a compact (1.5–2.5 Rack Unit) form factor. With an advanced hardware platform to provide user-selectable Layer 2 switching—upgradeable to full Layer 3 multiprotocol routing—the FastIron Edge switch is the ideal networking platform for today's enterprise wiring closet and server farm applications.

The FastIron Edge 10/100 product line includes the FastIron Edge Switch 9604, which offers port densities matched only by the competition's modular chassis. The FastIron Edge 10/100 products are as follows:

- FastIron Edge Switch 2402—24-port 10/100 and 2-port combo Gigabit Ethernet
- FastIron Edge Switch 4802—48-port 10/100 and 2-port combo Gigabit Ethernet
- FastIron Edge Switch 9604—96-port 10/100 and 4-port combo Gigabit Ethernet

The FastIron Edge switch POE products support 802.3af powered devices and legacy powered devices such as Cisco's IP phones, enabling convergence. The FastIron Edge Switch POE products are as follows:

- FastIron Edge Switch 2402-POE—24-port 10/100 802.3af and 2-port Combo Gigabit Ethernet
- FastIron Edge Switch 4802-POE—48-port 10/100 802.3af and 2-port Combo Gigabit Ethernet

The FastIron Edge switch multi-service Gigabit Ethernet product seamlessly aggregates wiring closet switches and easily interconnects the wiring closet to the enterprise backbone. The FastIron Edge Switch multi-service Gigabit Ethernet product is as follows:

- FastIron Edge Switch 12GCF—12-port combo Gigabit Ethernet

The FastIron Workgroup X-series products, which are not software-upgradeable to Layer 3, offer advanced Layer 2 features such as Metro Ring Protocol and Super Aggregated VLAN to deliver a cost-effective Layer 2 metro solution. The FastIron Workgroup X-series products are as follows:

- FastIron Workgroup X424—20-port 10/100/1000, 4-port combo Gigabit Ethernet, and field upgradeable to include a 1-port or 2-port 10-Gigabit Ethernet expansion module that supports SR, LR, and ER XFP optics
- FastIron Workgroup X448—44-port 10/100/1000, 4-port combo Gigabit Ethernet, and field upgradeable to include a 1-port or 2-port 10-Gigabit Ethernet expansion module that supports SR, LR, and ER XFP optics

The FastIron Edge X-series products line, which is software-upgradeable to full Layer 3, is the ideal networking platform to deliver 10-Gigabit Ethernet routing from the Edge to the Core. The FastIron Edge X-series products are as follows:

- FastIron Edge X424—20-port 10/100/1000, 4-port combo Gigabit Ethernet, and field-upgradeable to include a 1-port or 2-port 10-Gigabit Ethernet expansion module that supports SR, LR, and ER XFP optics
- FastIron Edge X448—44-port 10/100/1000, 4-port combo Gigabit Ethernet, and field-upgradeable to include a 1-port or 2-port 10-Gigabit Ethernet expansion module that supports SR, LR, and ER XFP optics

KEY FEATURES

- ✿ *IronWare™—Foundry's intelligent embedded software that comes with advanced Layer 2 features such as Metro Ring Protocol and Virtual Switch Redundancy Protocol*
- ✿ *Software upgradeable to full Layer 3 to support IP routing protocols such as RIPv1/v2, OSPF, and BGP, and support for multicast routing, including PIM-SM, PIM-DM and DVMRP*
- ✿ *IronShield™ to thwart any Denial of Service attacks directed to the network or to the network equipment, and IronShield Secure Edge to deliver user authentication with dynamic network association using 802.1X or multi-device authentication*
- ✿ *IEEE 802.3af with the ability to support 24 ports, each with 15 watts or 48 ports, each with 10 watts, allowing full power for all port and an option for a second power supply for redundancy*
- ✿ *FES X-series and FWS X-series are orderable or field upgradeable to include a 1-port or 2-port 10-Gigabit Ethernet (10-GbE) module that uses hot-pluggable, state-of-the-art and removable SR, LR, and ER "10-Gigabit Small Form Factor Pluggable" (XFP) optics*
- ✿ *Includes sFlow™—an industry standard for network traffic monitoring—to deliver real-time Layer 2 to Layer 4 network traffic monitoring, "always-on" fault and performance management, capacity planning, security policing, and precise network traffic accounting on all ports*
- ✿ *Load-balanced, hot-swappable, and redundant power supply units to ensure network reliability for enterprises and metro service providers*
- ✿ *Efficient space-saving form factor with front-facing data ports and a built-in temperature monitor sensor*

FASTIRON X STACKABLE



ENTERPRISE SWITCHES

HIGH-DENSITY LAYER 2/3 SWITCHES PURPOSE-BUILT FOR THE ENTERPRISE

The FastIron® family of Layer 2/3 switches offers the widest range of choice for wiring closet and data center applications. Starting with cost-effective, Layer 3 upgradeable 24-, 48-, and 96-port workgroup switches (see prior page), this modular chassis products can provide up to 672 10/100 and 8 ports of Gigabit Ethernet simultaneously, and a host of new interface modules can scale up to 232 ports of Gigabit Ethernet or 28 10-Gigabit Ethernet ports in a single chassis. The FastIron product family provides industry-leading port functionality, capacity, and value for your network. Also included in the FastIron family are the modular FastIron Gigabit over copper switches, which offer wire-speed Gigabit copper interfaces to power servers and desktops.

With interchangeable management interface modules, the FastIron family provides superior investment protection, while offering seamless growth, scalability, and performance. With a simple software upgrade, the FastIron switches can provide full Layer 3 capabilities including built-in support for IP, IPX, AppleTalk, RIP, and OSPF. The FastIron family is designed for reliable wiring closet deployments, with support for 4,096 VLANs, hot swappable interface modules and power supplies, and Rapid Spanning Tree Protocol for subsecond convergence.

The FastIron products are as follows:

- FastIron 400/800/1500—4-, 8-, and 15-slot JetCore™ modular switches

HIGH-PERFORMANCE CONVERGENCE FOR THE ENTERPRISE

FastIron SuperX Layer 2/3 modular switch is the next-generation enterprise high-performance switching system equipped with high-performance hardware-based switching packet processors and switch fabric. It offers high-density Gigabit Ethernet and 10-Gigabit Ethernet interfaces. It delivers leading Layer 2 features and scalability and is upgradeable to full Layer 3 for the most demanding enterprise environments. With wire-speed performance, non-blocking architecture, standards-based power-over-Ethernet support, redundant and hot-swappable AC/DC power supplies, fine-grain bandwidth management, pervasive traffic monitoring, security and accounting features, the FastIron SuperX is the product of choice for delivering high performance, reliable, high availability, secure converged networks needed for today's enterprises.

The FastIron SuperX product is as follows:

- FastIron SuperX Modular Switch



KEY FEATURES

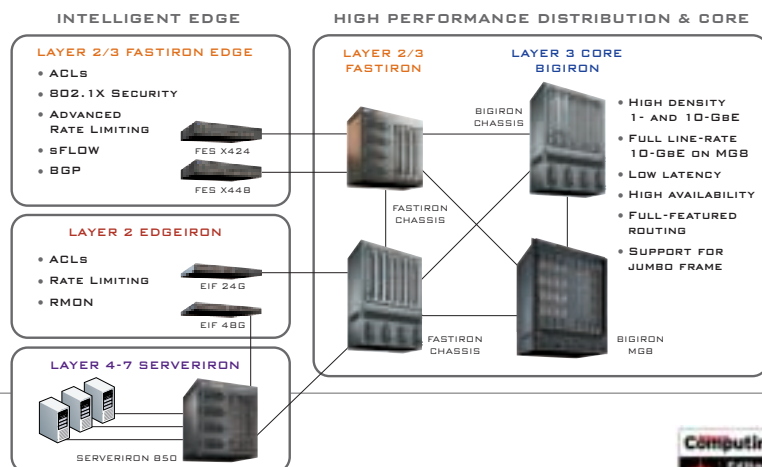
FASTIRON CHASSIS

- sFlow™ real-time network traffic monitoring
- Seamless growth and scalability with unmatched performance
- Industry-standard, common, and consistent CLI simplifies network administration
- Software-upgradeable to full Layer 3 multiprotocol and multicast routing
- IronShield™ security with secure shell, secure copy, standard and extended ACLs
- Protection from Denial of Service (DoS) attacks with ICMP and SYN rate limiting
- Prevent network intrusion with MAC layer filtering and 802.1x port authentication
- Common sparing components and CLI syntax for the lowest TCO and highest ROI

FASTIRON SUPERX

- Unparalleled wire-speed port density maximizes capacity per rack unit by minimizing the environmental requirements such as space, power and cooling. Scale up to 204 Gigabit Ethernet ports or 16 10-Gigabit Ethernet ports in a single modular system with a total size of 6 rack units (RU).
- Advanced Layer 2 feature set with full Layer 3 upgradeability
- Flexible Power-Over-Ethernet solution with add-on module to 10/100/1000 GoC I/O card for full POE support, and separate redundant, hot-swappable power supplies for POE power source
- Protection against Denial of Service attacks using IronShield™ security suite with wire-speed extended Access Control Lists, Secure Shell, Secure Copy, SNMP v3, and authentication with AAA, 802.1x, RADIUS, and TACACS+

ENTERPRISE—10/100/1000 WITH 10-GBE



BigIron 4000/8000/15000

LAYER 3 ENTERPRISE 10-GbE SWITCH



HIGH-PERFORMANCE LAYER 3 ETHERNET SWITCHES

BigIron® Layer 3 switches offer industry-leading 10-Gigabit Ethernet switch density, leading Layer 2 and Layer 3 scalability for demanding Enterprise LAN applications. Based on Foundry's award-winning Terathon™ and JetCore® ASIC chipsets, BigIron switches are powered by Foundry's feature-rich IronWare™ operating system that includes extensive security, multicast, and multi-protocol feature set. With superior redundancy, fine-grain bandwidth management and wire-speed network monitoring and accounting features, the BigIron is the product of choice for demanding enterprise networks, high performance computing environments, and Internet eXchange Points (IXPs).

BigIron switches allow building simple, cost-effective Layer 2 and Layer 3 infrastructures to offer high performance integrated switching and routing suitable for many enterprise applications. With the industry's first 10-Gigabit Ethernet, BigIron switches scale the enterprise LAN backbone connections to allow high performance Gigabit over Copper to the server and desktop. With long haul Gigabit Ethernet and mini-GBIC based optics flexibility, BigIron is an ideal choice for building enterprise campus networks with high-performance Ethernet for improving employee communications and collaboration. Featuring high port density and wirespeed non-blocking performance on all ports, the BigIron is an ideal fit for clustering and super computing applications.

BigIron switches lead the industry in price/performance and Gigabit Ethernet density for deployment in enterprise networks, high performance computing networks, and IXPs.

- BigIron 4000—Four-slot modular switch with up to 56-Gigabit ports
- BigIron 8000—Eight-slot modular switch with up to 120-Gigabit ports
- BigIron 15000—Fifteen-slot modular switch with up to 232-Gigabit ports

KEY FEATURES

- ✿ *Unparalleled industry leading port density of up to 64 10-GbE ports or 480 GbE ports within a chassis, and up to 192 10-GbE ports in or 1440 GbE ports in a standard 7-foot rack frees rack space for Cluster Computing environments without giving up performance*
- ✿ *Distributed route forwarding tables in hardware on the line cards allows for wire speed IPv4 or IPv6 routing, accelerating network performance*
- ✿ *Hardware-based ACLs and DoS protection provides traffic filtering and network protection without impacting application or switch performance*
- ✿ *Superior QoS delivery with Advanced Bandwidth Management (ABM) for advanced individual and group user bandwidth management based on Layer 2-4 information*
- ✿ *Industry's lowest 10-GbE switching latency of less than 10 microseconds, increases performance of sensitive applications including Voice over IP (VoIP), video, Grid Computing, Storage Area Networks, and real-time transactions*
- ✿ *High-availability design which includes redundant management modules with Hitless Management Failover (HMF), hot-swappable modules with localized forwarding and routing information, hot-swappable power supplies, variable-speed fans, and hot-pluggable optics giving continuous up time for mission critical networks*

BIGIRON 4000/8000/15000



BigIron MG8

LAYER 3 ENTERPRISE TERABIT SWITCH

BIGIRON MG8

The BigIron® MG8 is designed for the low-latency, high-performance, and high-reliability environments of next generation networks. Built on a distributed, non-blocking switch architecture the MG8 delivers wire-speed performance for high-density Gigabit and 10-Gigabit Ethernet applications. Whether for aggregation in a high-performance cluster computing environment, or for a next-generation enterprise backbone, the MG8 offers unparalleled throughput, low-latency, Quality of Service, robust security, high-reliability and extensive scalability.

The BigIron MG8 complements Foundry's enterprise chassis-based portfolio that consists of the BigIron and FastIron JetCore family. The BigIron MG8 extends the power and performance of Foundry's BigIron family into environments that demand high-density Gigabit and 10-Gigabit Ethernet with sophisticated high performance filtering and forwarding requirements.

HIGHLIGHTS

- Wire-speed 480 Mpps routing performance with distributed, non-blocking 1.28 Tbps switching architecture
- Extensive, scalable IPv4/IPv6 protocol support with up to 200 BGP peers and 2 million BGP routes, and hardware routing of IPv4 and IPv6 traffic
- Highest density 10-GbE, 64 ports, and 1-GbE, 480 ports, dual-stack IPv4/IPv6 switching and routing
- sFlow Layer 2-4 traffic monitoring for Ethernet, IPv4 and IPv6

The BigIron MG8 product is as follows:

- BigIron MG8—Eight-slot modular switch with up to 64 10-GbE ports or 480 10/100/1000 ports



KEY FEATURES

- *Unmatched performance with up to 480,000,000 packets per second and more than a terabit of non-blocking switching capacity*
- *Unparalleled Gigabit port density with up to 64 10-Gigabit Ethernet and 480 Gigabit Ethernet ports*
- *Full featured multi-protocol routing support including IP, IPX, RIP, OSPF, BGP4, and complete multicast support with MBGP, DVMRP, and PIM Dense and Sparse Mode*
- *Superior High Availability with sub-second protection and efficient link utilization with or without spanning tree via native support of IEEE 802.1w Rapid STP, MRP, VSRP, Topology Groups and VRRP*
- *IronShield™ Security includes high-performance ACLs, SNMP v3, and protection against multiple types of Denial of Service (DoS) attacks*
- *Hardware-based sFlow (RFC 3176) technology for wire-speed network monitoring and accounting capabilities*



BIGIRON MG8





HIGH-PERFORMANCE ROUTERS FOR METRO AND INTERNET SERVICE PROVIDERS

Foundry's NetIron® routers allow metro and internet service providers to generate incremental revenue and lower costs with new services based on scalable, packet-switched, IP networks. Foundry's NetIron routers offer Internet-strength scalability, NEBS Level 3 carrier-class reliability, and industry leading port density in compact high-performance modular systems. NetIron routers, equipped with MetroLink™ interface modules, provide a wide range of media connectivity options, including: Packet over SONET/SDH, ATM, 10/100 Mbps Ethernet, long-reach Gigabit Ethernet (up to 150 km) and 10-Gigabit Ethernet.

With IronShield™ security including wire-speed extended Access Control Lists (ACLs), ASIC-based bandwidth provisioning, and sFlow™ for scalable network accounting and monitoring, NetIron routers make it easy to build, manage, and provision IP networks. NetIron is an ideal platform for building and extending Layer 2 Metro Networks using Multi-Protocol Label Switching (MPLS), Draft-Martini, and Virtual Private LAN Switching (VPLS) for point-to-point and multi-point secure VPN services.

With 672 10/100, 232 Gigabit Ethernet or 28 10-Gigabit Ethernet ports in the NetIron 1500 or up to 320 Gigabit or 32 10-Gigabit Ethernet ports in a compact 8-slot NetIron 40G chassis delivering up to 480 Gbps of non-blocking total switching capacity, NetIron routers empower service providers to harness the power of IP networks for new revenue generating services.

- NetIron 400: Four-slot router
- NetIron 800: Eight-slot router
- NetIron 1500: Fifteen-slot router (NEBS Level 3)

KEY FEATURES

- ✿ NEBS level 3 compliance for carrier-class reliability
- ✿ MetroLink interfaces unify 10-Gigabit Ethernet and SONET offering OC-48c/STM16, OC12c/STM4, and OC-3c/STM1 speeds; ATM OC-3c/STM1 speed; Gigabit and 10-Gigabit Ethernet
- ✿ Field proven scalability with Internet-grade IP routing and Multicast features including BGP4, MBGP, IS-IS, OSPF, RIP, DVMRP, PIM Dense and Sparse mode
- ✿ Innovative Layer 2 Metro control protocols such as MRP and VSRP for sub-second protection for Ring and Mesh topologies
- ✿ VPLS and Draft Martini For MPLS Layer 2 VPNs to scale and complement Layer 2 Metro
- ✿ sFlow™ enabled, for wire-speed network monitoring and accounting capabilities



NetIron 40G

INTERNET AND METRO 10-GbE ROUTERS

NETIRON 40G

The NetIron® 40G is the industry's highest-density and most power-efficient dual-stack IPv4/IPv6 router. The service provider router is based on an advanced hardware-based, dual-stack architecture, delivering wire-speed 480 million packets per second (Mpps) forwarding performance for both IPv4 and IPv6 routed traffic.

The NetIron 40G supports a full suite of unicast and multicast IPv4 and IPv6 routing protocols. Supported IPv4 protocols include RIP, OSPF, BGP4, IS-IS, DVMRP, MSDP, PIM-SM, PIM-SSM and IGMP. Supported IPv6 protocols include RIPng, PIM-SSM, OSPFv3, MP-BGP, PIM-SSM and MLD.

The NetIron 40G dual-stack line modules are optimized for IPv4 and IPv6 packet formats and deliver wire-speed performance for both protocols. Each NetIron 40G line module supports as many as 512,000 IPv4 routes (four times the size of the Internet today) or 128,000 IPv6 routes in the module's hardware-based, prepopulated forwarding engine. In addition, the NetIron 40G supports millions of BGP routes in its routing information base, providing flexibility and scalability for even the largest network operators. The NetIron 40G supports wire-speed IPv4 and IPv6 access control lists, enabling network operators to configure extensible security policies for IPv4 and IPv6 traffic.

The NetIron 40G can be configured with as many as 32 non-blocking 10-Gigabit Ethernet ports or 320 non-blocking Gigabit Ethernet ports in a single chassis. The NetIron 40G is 13 rack units tall, allowing for three chassis to be configured in a single seven-foot rack. In this configuration, a service provider can build a multi-shelf system that supports as many as 96 10-Gigabit Ethernet ports or 320 Gigabit Ethernet ports in a standard rack. Additionally, the NetIron 40G is the most power-efficient system in its class, requiring only 2,600 watts of DC power for a fully configured system. The NetIron 40G delivers true 40 Gbps data capacity per backplane slot for all packet sizes, providing an upgrade path to 40-Gbps networking technologies.



KEY FEATURES

- ❁ *Future-proof, fourth-generation Terathon ASIC™ technology delivers true distributed packet switching, a full-duplex 40 Gbps (80 Gbps) channel per slot to the passive backplane, and 1.28 Terabits of switching capacity for wire-speed, non-blocking switching and routing of up to 480 million packets per second*
- ❁ *Unparalleled non-blocking 10-GbE and 1GbE port density of up to 32 non-blocking 10-Gigabit Ethernet or 320 Gigabit Ethernet ports within an 8-slot chassis and up to 96 10-Gigabit Ethernet or 960 Gigabit Ethernet ports in a standard 7-foot rack*
- ❁ *Purpose-built, super-fast packet processors and the ability to perform hardware-based, ultra-low latency routing*
- ❁ *Large-scale IP service delivery designed to grow with service provider needs, using comprehensive and robust set of standards-based IP routing protocols, including BGP4, OSPF and IS-IS*
- ❁ *Foundry Direct Routing (FDR) provides wire-speed forwarding and accelerated convergence*
- ❁ *Dedicated control plane with direct access to each interface module across a 20 Gbps management cross-point fabric separates management and system control traffic from the normal user data plane to create a robust, fault-tolerant, intelligent, high-performance 10-GbE system*
- ❁ *End-to-end QoS delivery across the service provider cloud with Advanced Bandwidth Management (ABM) feature*
- ❁ *System and network reliability includes support for redundant management modules*
- ❁ *80-Gbps of cross-module link aggregation based on 802.3ad for resilient bandwidth scalability between any two NetIron 40G 10-GbE routers*
- ❁ *Built-in sFlow technology (RFC 3176) delivers scalable network monitoring, accounting, and billing at 10 Gbps speed using Layer 2–7 per-port information*



NETIRON 40G





HIGH-PERFORMANCE WAN ACCESS SOLUTIONS FOR ENTERPRISE AND SERVICE PROVIDERS

Foundry Networks AccessIron™ series routers deliver fast, reliable, and scalable wide area network (WAN) T1/E1 and T3 access for today's enterprises and service providers. These powerful platforms provide consistent high-speed throughput with no degradation in performance—even with advanced services enabled.

Ideal for installation in enterprise branch offices and service provider points of presence (POPs), AccessIron routers combine high performance and a robust feature set, making them an extraordinary value. Comprehensive, easy-to-use software tools enable sophisticated access and bandwidth management for ensuring dependable communications.

AccessIron routers provide a rich suite of routing services and advanced functionality, making them perfect for a wide variety of applications, including high-speed Internet access, private line WAN connectivity, video, IP telephony, and data backup and recovery solutions. AccessIron routers also provide the versatility for delivering services to multiple subscribers in hotels, apartment buildings, or large office or condominium complexes.

HIGH RETURN ON INVESTMENT

Foundry AccessIron series routers deliver consistent top-speed performance at the network edge and provide a winning combination of standard and advanced services. These powerful platforms enable organizations to improve and provision network services, develop new revenue-generating opportunities, increase employee productivity, and build customer loyalty and satisfaction. Foundry Networks offers a cost-effective way to provide high-speed access without compromising service quality.

The AccessIron product family is as follows:

- AccessIron 1201—1-port T1 or E1, 10/100 Ethernet
- AccessIron 1202—2-port T1 or E1, 10/100 Ethernet
- AccessIron 1204—4-port T1 or E1, 10/100 Ethernet
- AccessIron 1208—8-port T1 or E1, 10/100 Ethernet
- AccessIron 1216—16-port T1 or E1, 10/100 Ethernet
- AccessIron 3201—1 DS3 Clear Channel (2) 10/100 Ethernet, or 1 Channelized T3 (2) 10/100 Ethernet
- AccessIron 3202—2 DS3 Clear Channel (2) 10/100 Ethernet, or 2 Channelized T3 (2) 10/100 Ethernet

KEY FEATURES

- ✿ *Virtual Ethernet technology provides seamless integration between geographic locations. Layer 2 tagging, double tagging and forwarding, and exclusive Network Address Translation (NAT) capabilities allow transparent LAN access across the WAN.*
- ✿ *High-availability features ensure no single point of failure. Border Gateway Protocol version 4 (BGP4) enables multi-homing, allowing organizations to eliminate potential points of failure; the Virtual Router Redundancy Protocol (VRRP) enables redundant router configurations; NxT1/E1 bundling seamlessly guards against individual circuit failure and restores bandwidth once a connection has been repaired*
- ✿ *Advanced QoS features optimize bandwidth for voice, video, and data traffic*
- ✿ *Multilink capabilities maximize bandwidth across multiple circuits to lower operational costs*
- ✿ *High-performance processors*
- ✿ *Integrated and managed CSU/DSU*
- ✿ *Hardware enabled IPSec VPN encryption option*
- ✿ *Stateful firewall including DoS protection*
- ✿ *Advanced NAT is also included supporting forward and reverse NAT, static NAT, many to many, GRE tunneling, and port address translation*
- ✿ *Dual auto-sensing 10/100BASE-T Fast Ethernet interfaces*
- ✿ *A choice of interface options enables management using a standard Command Line Interface (CLI) or standards-based Simple Network Management Protocol (SNMP) tools*

WIRELESS LAN PRODUCTS

ENTERPRISE-CLASS ACCESS POINT FOR TRUE INTEGRATED WIRED-WIRELESS NETWORK SOLUTIONS

Foundry Networks IronPoint™ wireless solutions provide unparalleled flexibility and scalability for enterprise and hot spot wireless deployments. Strong security with the latest 802.11 security standards protect wireless transmissions: 802.1X authentication, EAP-TLS, EAP-TTLS, PEAP, EAP-MD5, 802.1X Dynamic WEP, Static WEP, 802.1X WPA, Preshared Key WPA, TKIP and AES.

IronPoint wireless solutions allow the IronPoint 200 Access Points to function in several modes to meet all enterprise wireless needs. Standalone mode with embedded web and command line interface for management is perfect for small enterprise and hotspot wireless deployments. Integrated wired/wireless network Mode allows the IronPoint AP to be tightly integrated with Foundry's FastIron® Edge Switch (FES) to provide enhanced management, mobility and security features that are unparalleled in the industry. RF monitoring mode transforms the IronPoint 200 into a dedicated security sensor that can detect rogue APs and wireless DoS attacks.

Management is provided through Foundry's integrated management platform—IronView® Network Manager (INM). With INM, Foundry customers can now manage both wired and wireless infrastructures from the same management platform—providing seamless integration of wired and wireless networks.

The IronPoint product family is as follows:

- IronPoint 200—Full featured dual band access point with 802.11a/b/g and a-Turbo support
- IVIEW-IP-WINDOWS—IronView Network Manager-IronPointT Edition for NT
- IVIEW-IP-SOLARIS—IronView Network Manager-IronPointT Edition for Solaris
- IVIEW-IP-HPUX—IronView Network Manager-IronPointT Edition for HP UX
- FIP-100—Single-port mid-span 802.3af power injector
- FIP-600—Six-port mid-span 802.1af power injector
- External 802.11b/g Antennas



KEY FEATURES

- ✿ Support for 802.11a 5GHz 54-Mbps, 802.11a Turbo 5GHz 108-Mbps, 802.11b 2.4GHz 11-Mbps, 802.11g 2.4 GHz 54-Mbps
- ✿ Industry-leading configuration flexibility and product family compatibility for unsurpassed functionality and scalability
- ✿ Flexible management options with built-in industry-standard CLI, Web GUI and SNMP or centralized management platform with IronView Network Manager—Foundry's integrated network management system
- ✿ Leading-edge and standards-based authentication and data privacy for strong enterprise-class security
- ✿ Support for 802.1X authentication, Preshared Key authentication, MAC Address authentication, WPA, TKIP, AES, Dynamic WEP, Static WEP. Support for EAP-TLS, EAP-TTLS, PEAP, EAP-MD5
- ✿ Advanced enterprise features—Automatic channel selection, Virtual AP, 802.3af Power-over-Ethernet support
- ✿ Seamless Layer 2 and 3 mobility for wireless VoIP applications
- ✿ Dedicated RF Monitoring mode to detect rogue APs and wireless DoS attacks
- ✿ WiFi Alliance certification ensures interoperability with all WiFi devices including laptops, handhelds, PDAs, and other mobile clients
- ✿ Tight integration with FastIron Edge Switch enables simple and secure out-of-the-box AP deployment and configuration



COMPREHENSIVE SNMP AND POLICY-BASED NETWORK MANAGEMENT

The Foundry IronView® Network Manager (INM) allows today's networks to run at maximum efficiency by allowing network managers to effectively track and perform configuration changes and software updates, and to quickly identify and resolve network failures. IronView Network Manager empowers network managers to seamlessly control changes to complex networkwide functions such as access control lists (ACLs), virtual LANs (VLANs), software and configuration updates, and network alarm and event controls. INM dramatically simplifies network provisioning, diagnostics, and network problem resolution, thus reducing total cost of ownership and increasing return on investment.

INM solves one of the most important requirements in maintaining a network—documenting the network. INM comes with online static and dynamic reports used for auditing software revisions of network devices, asset inventories, and network configuration inventories of items such as MAC addresses, VLANs, and IP addresses. These reports, which can be exported to applications like Microsoft Excel, are updated automatically and can be used for any corporate audit.

sFlow,™ an integral part of the INM software, includes support for sFlow (RFC 3176) to deliver hardware-based and real time network traffic monitoring and accounting. Network managers can perform “always-on” fault and performance management, capacity planning, intrusion detection, security policy, and precise network traffic accounting on all ports from Layer 2 up to Layer 7 without impact to switching and routing performance.

SOFTWARE PACKAGE

- IronView IronPoint Edition
- IronView Advanced Edition

HARDWARE PLATFORM

- IronView HP/UX
- IronView Linux
- IronView Solaris
- IronView Windows

KEY FEATURES

- Simplifies network operational processes involved with service provisioning, network configuration management, and fault and performance management
- Facilitates centralized management of a network with Foundry's high-performance networking products spanning from Layer 2 to Layer 7
- Highly secure application built on a Java-based architecture, Secure Shell, and SNMPv3—the industry-standard protocol for network management
- Support for all major server platform operating systems, including Windows XP and 2000, Solaris, HP-UX, and Linux
- Includes the following feature-rich application suite:
 - Scenario Manager
 - Event Manager
 - VLAN Manager
 - Access Control List Manager
 - User and Role Manager
 - Network Discovery Manager
 - Service Director

HIGH PERFORMANCE SERVICE

Your network is the bedrock of your business. Your customers, partners, and employees are depending on the mission-critical applications that run on your network. You have the challenge of maximizing the availability, reliability, and performance of your network. You have the power to improve productivity and drive higher customer satisfaction.

- How do you balance these ever-increasing business requirements with managing your network cost-effectively?
- How do you ensure cost predictability?
- Do you have adequate staff to support your network?
- Does your staff have all the training they need to address ever-changing technologies?

To keep their networks operating at maximum efficiency and around the clock, many of the world's largest companies rely on Foundry's award-winning technology and industry-leading service and support. They leverage Foundry's people, processes, and tools to maximize network uptime, availability, and performance.

With Foundry, you have the peace of mind that comes from knowing that your business is backed by responsive, value-added support that ensures maximum network reliability and uptime. Foundry recognizes that you have a specific set of support needs. That's why we have developed a comprehensive suite of service offerings. Our flexible service programs are tailored to match your specific requirements. These programs make it easy and affordable for you to get all the help you need, whenever you need it. At Foundry, we deliver high-performance service.

SUMMARY OF SERVICE OFFERS

ENTITLEMENT	BENEFIT TYPE	BRONZE	SILVER	GOLD	TITANIUM
ACCESS TO SUPPORT WEBSITE	- CRITICAL INFORMATION AT YOUR FINGERTIPS 24 X 7	***	***	***	***
	- VENUE FOR MAKING NON-TIME-SENSITIVE QUERIES	***	***	***	***
SOFTWARE UPDATES AND UPGRADES	- MAXIMIZE NETWORK PERFORMANCE WITH LATEST SOFTWARE UPDATES	***	***	***	***
	- INVESTMENT PROTECTION AND NETWORK OPTIMIZATION WITH SOFTWARE UPDATES	***	***	***	***
	- INCREASE VALUE OF EQUIPMENT WITH SOFTWARE UPGRADES	***	***	***	***
REMOTE SUPPORT	- ACCESS TO FOUNDRY TECHNOLOGY EXPERTS	*	***	***	***
	- QUICK RESPONSE AND RESOLUTION OF NETWORK ISSUES	*	***	***	***
	- EXPERT ADVICE ON NETWORK PROBLEMS	*	***	***	***
DISCOUNT ON SPARES	- COST SAVINGS: SIGNIFICANT DISCOUNTS ON SPARES	*	**	***	***
HARDWARE REPAIR	- COST PREDICTABILITY: REPAIR COSTS ARE FIXED AND KNOWN		***	***	***
ADVANCED HARDWARE REPLACEMENT	- COST PREDICTABILITY, SINCE YOUR ANNUAL COSTS ARE FIXED AND KNOWN			*	***
	- COST SAVINGS, SINCE YOU DO NOT HAVE TO STOCK AND MANAGE A PARTS INVENTORY			*	***
ON-SITE REPAIR TECHNICIAN	- COST SAVINGS, SINCE YOU DO NOT NEED TRAINED TECHNICIANS IN-HOUSE				***
	- QUICKLY RESTORE PERFORMANCE OF NETWORK				***
PRIORITY MANAGEMENT ESCALATION	- QUICKER RESPONSE AND RESOLUTION OF NETWORK ISSUES				***

LEGEND: * PARTIAL BENEFIT ** INCREASED BENEFIT *** FULL BENEFIT

KEY FEATURES

- Mission**
At Foundry, customer satisfaction is the most important aspect of our job. This mindset starts from the top and is part of our corporate culture. We are dedicated to providing a competitive advantage to our customers through the delivery of high-performance services.
- Expertise**
The service and support organization is a strategic asset for the company. It is led by seasoned industry veterans.
- Global Coverage**
We collaborate with global service partners to deliver quality on-site service in key regions around the world. Our partners go through extensive Foundry training to gain knowledge required to support customers.
- Technical Assistance Center (TAC)**
Our technical assistance center is fully staffed by highly trained engineers
- Software Updates and Upgrades**
You can download maintenance releases and new feature releases from our support web site. Both system software and Ironview™ Network Management software updates and upgrades are available.
- Hardware Repair**
In case of a hardware system failure, the unit or part will be repaired or, at Foundry Networks' option, replaced with a new or reconditioned unit of equal or better value
- Advance Hardware Replacement**
Foundry delivers advance replacement parts for all Foundry products. Customers have an option of 4-hour or next-business-day delivery.
- On-site Repair Technician**
In case of a hardware failure, TAC dispatches a Foundry-trained technician to the customer site. The technician will arrive at the customer's site within four hours. The technician will rectify the hardware fault and may replace failed parts or units.
- Discounted Spares Service**
You can purchase discounted spares for installed Foundry products. Sparing levels are determined based on your specific requirements.
- Priority Management Escalation**
Each customer case is closely monitored until resolution



CERTIFICATION

The Foundry Networks® Certification Program (FNCP) validates your technical excellence in planning, designing, configuring, and implementing high-performance networks for your customers—whether they are corporate internal clients or external consulting clients. The FNCP leads the industry in three comprehensive networking areas: Enterprise Networking, Web Switching, and Internet Routing. Certification demonstrates the knowledge and skills required to build and support high-performance networks consisting of Layer 2–7 network infrastructure, content delivery networks, and Intranet and Metro backbone. Foundry Networks Certification Program offers four program levels: the Certified Network Engineer (FNCNE), Foundry Networks Certified Network Professional (FNCNP), Foundry Networks Certified Layers 4–7 Engineer (FNCL4-7E), and Foundry Networks Certified Layers 4–7 Professional (FNCL4-7P). Each requires several preparatory training courses offered by Foundry and its worldwide network of Authorized Training Partners. Foundry’s testing partner, Prometric, provides fast and simple online registration. You can register for the exam 24 hours a day worldwide.

FOUNDRY NETWORKS CERTIFIED NETWORK ENGINEER

The FNCP awards the designation of the Foundry Networks Certified Network Engineer (FNCNE). This is achieved through completion of an online exam comprised of IP networking technology and in-depth knowledge of Foundry products. The exam consists of 82 multiple-choice questions and typically takes 90 minutes to complete. Prior “hands-on” experience is essential.

FOUNDRY NETWORKS CERTIFIED NETWORK PROFESSIONAL

The Foundry Networks Certified Network Professional (FNCNP) designation is achieved through completion of an online exam comprised of advanced concepts and applications in STP, OSPF, and BGP technologies and in-depth knowledge of Foundry products. The exam consists of 96 multiple-choice questions including a series of network application questions and typically takes 90 minutes to complete. The exam questions are very challenging and prior “hands-on” experience is essential.

FOUNDRY NETWORK CERTIFIED LAYERS 4-7 ENGINEER

The Foundry Networks Certified Layers 4–7 Engineer (FNCL4-7E) is achieved through completion of an online exam comprised of general Server Load Balancing, Firewall Load Balancing, Policy Based Switching, and Global Server Load Balancing and in-depth knowledge of Foundry’s ServerIron products. The exam consists of multiple-choice questions and typically takes 90 minutes to complete. Prior “hands-on” experience is essential.

FOUNDRY NETWORKS CERTIFIED LAYERS 4-7 PROFESSIONAL

The Foundry Networks Certified Layers 4–7 Professional (FNCL4-7P) designation is achieved through completion of an online exam comprised of advanced concepts and applications in Server Load Balancing, Health Checks, Global Server Load Balancing, Security, and Layer 7 Switching technologies and in-depth knowledge of Foundry’s ServerIron products. The exam consists of multiple-choice questions including a series of network design and application questions. The test typically takes 90 minutes to complete. The exam questions are very challenging and prior “hands-on” experience is essential.

BENEFITS

- Enhances career advancement
- Increases industry recognition
- Increases credibility
- Validates knowledge and skills
- Provides a competitive advantage
- Authorizes use of Foundry Networks logo on business cards

HOW TO PREPARE

The Basic Switch/Router Configuration and Maintenance (TRNG-0103) and the Introduction to Web Switching and Load Balancing (TRNG-0202) courses prepare the candidate for the FNCNE certification. The Advanced Switch Router Configuration and Maintenance (TRNG-0405) course prepares the candidate for the FNCNP certification. The Introduction to Web Switching and Load Balancing course (TRNG-0202) prepares the candidate for the FNCL4-7E certification and the Techniques in Advanced Server Load Balancing (TRNG-0240) prepares the candidate for the FNCL4-7P.

TRAINING

Foundry Networks offers training for the complete Foundry “Family of Iron” products. The courses are a mixture of lecture and lab exercises to ensure that each participant understands the underlying theory and practical application of the Foundry FastIron, EdgeIron, NetIron, and BigIron switches and routers. A ServerIron, specific curriculum provides thorough configuration and usage of the ServerIron product.

HOW TO REGISTER

Foundry’s certification testing partner, Prometric, provides fast and simple registration. You can register for the exam 24 hours a day worldwide at www.2test.com. Foundry’s training registration is available at www.foundrynet.com/services/training/index.html.

COURSE TITLES

- ✿ *TRNG-0103 Basic Switch/Router Configuration and Management*
- ✿ *TRNG-0120 Interconnecting Networks Using AccessIron*
- ✿ *TRNG-0202 Introduction to Web Switching & Load Balancing*
- ✿ *TRNG-0405 Advanced Switching/Routing Configuration and Management*
- ✿ *TRNG-0503 IronView Network Management*
- ✿ *TRNG-0603 IronShield Security—Hardening Foundry Switches and Routers*
- ✿ *TRNG-0240 Techniques in Advanced Server Load Balancing*





FOUNDRY® NETWORKS

The Power of Performance™

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