

EdgeFrontier® Appliance

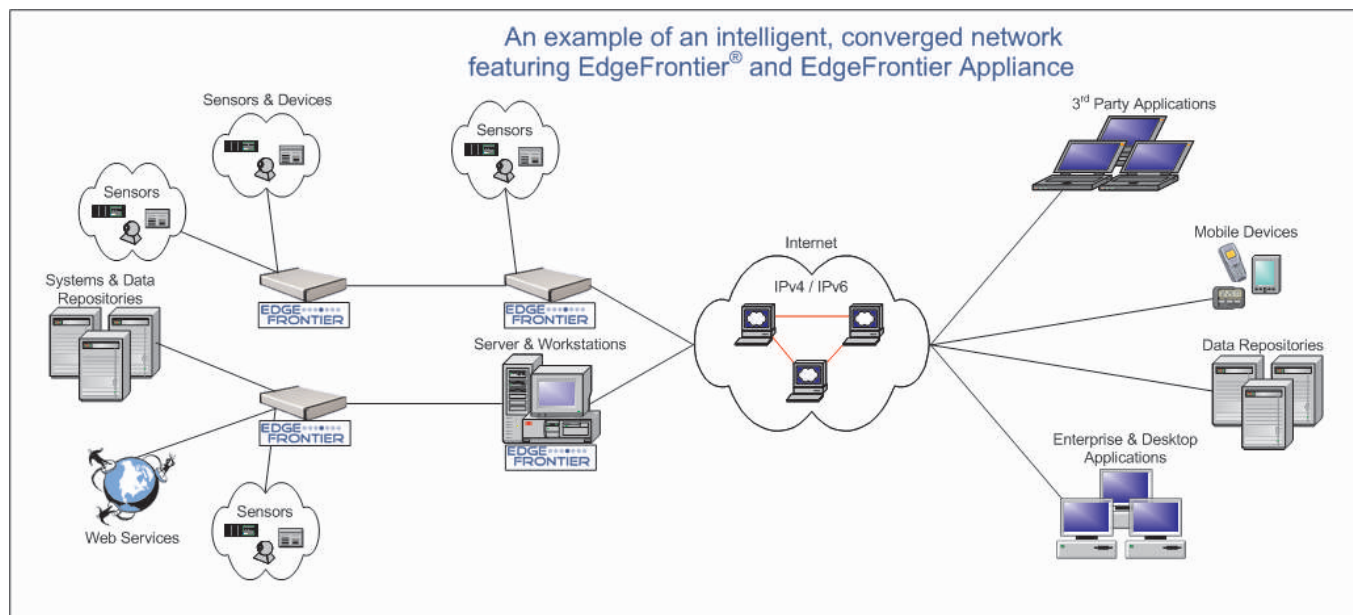
A complete software and hardware platform for intelligent convergence of devices, systems, and networks



Enabling rapid creation of open, interoperable solutions featuring distributed processing, control, and automation throughout the network infrastructure

EdgeFrontier Appliance provides a complete integrated platform for building and managing intelligent convergence solutions.

EdgeFrontier Appliance is a network appliance pre-installed with EdgeFrontier, providing a complete software and hardware platform for intelligent convergence solutions requiring remote network access and distributed processing capabilities.



With EdgeFrontier Appliance, enterprises can deploy a powerful, integrated hardware/middleware platform that enables plug-and-play data connectivity and the intelligent convergence of remote devices, systems, and networks.

Powered by EdgeFrontier, EdgeFrontier Appliance supports integration and normalization of data, events, and control functions from diverse devices, systems, and networks, regardless of manufacturer or communications protocol, including sensors, wireless sensor networks, RFID systems, video devices and systems, access control systems, metering and measurement devices, actuators, databases and file repositories, and others. In addition, EdgeFrontier Appliance provides structures for event processing and configuration of event or policy-based actions through a policy engine.

EdgeFrontier Appliance features a remote client interface that allows for rapid device configuration, monitoring, management, and customization. EdgeFrontier Appliance acts as an edge application server and can be configured as an edge enterprise service bus, providing an abstraction layer to support processing and distribution of data, events, and control commands without writing code.

EdgeFrontier Appliance can distribute data to and exercise control over multiple network devices and applications via various communication protocols within wired and wireless deployments – including WiFi, WiFi mesh, WiMax, ZigBee, and others. In addition, third-party processing software and algorithms or user-produced code can be implemented easily to further extend the capabilities of EdgeFrontier Appliance as a platform technology for convergence.

With these capabilities, EdgeFrontier Appliance is the right choice for enterprises and integrators that need an easily configurable convergence platform, but lack the computing systems and network infrastructure required for an EdgeFrontier deployment.

EdgeFrontier is the right choice for those in need of an easily configurable convergence platform, yet lack the necessary network infrastructure.

Specifically, EdgeFrontier Appliance can:

- Provide a rugged, field-deployable appliance delivering EdgeFrontier functionality to locations lacking network and computing infrastructure
- Enable connectivity between diverse devices, systems, and networks through communication methods (including TCP/IP, UDP, serial, HTTP, SNMP, WMI, message queue, and web services); support the reading and writing of files and databases; and enable connectivity to systems via third-party and custom application programming interfaces (APIs)
- Serve as a mediator between diverse systems, devices, and networks, including support for protocol/format encoding/decoding and data transformation
- Provide real-time, edge-of-network event processing, including data filtering, correlation, anomaly detection, and notification/alert generation
- Provide a policy engine for configuration of event or policy-based actions
- Enable distributed processing and event or policy-based actions to be automated throughout the network infrastructure
- Provide an extensible application server for core and edge-of-network computing systems, including routers, servers, gateways, and other computing platforms
- Provide sophisticated network and system management capabilities
- Distribute data as network data, data files (e.g., text, Excel, XML, binary, etc.) and for databases (e.g., Microsoft SQL Server, Oracle, MySQL, etc.) for use with enterprise systems and interface platforms
- Extend the IP network and IT infrastructure to remote devices, systems, and networks

Benefits of EdgeFrontier Appliance include:

- Enabling integration and utilization of diverse device, system, and network data, events, and control functions in an integrated hardware/software package
- Enabling convergence of data within enterprise IT infrastructures and IP networks to enhance analysis and response
- Maximizing existing client technology assets and leveraging future investments by enabling the building and management of open, scalable solutions
- Increasing value of data through system and network-driven access, processing, and correlations
- Reducing total cost of ownership of devices, systems, and networks
- Increasing return on investment for devices, systems, and networks

EdgeFrontier Appliance is available in a standard configuration, but can be customized to meet enterprise and integrator requirements.

Standard hardware components include:

- System: Intel Core 2 Duo 2.4 GHz; 2 GB RAM; 2.4 inch SATA 120 GB hard drive
- I/O: 1 Mini PCI socket; 1 RS232 Serial Ports; 2 VGA (plus 1 HDMI); RJ45 10/100 Ethernet Port; 4 USB 2.0 Ports; 1 FireWire Port; and Audio Ports
- Packaging: Heavy duty indoor casing – 1.75" x 5.5" x 6.5"
- Power: 12-19 volt DC Input/External Switching AC/DC adapter
- Communications: Standard module of 802.11b/g (with other modules available as optional components)

Standard software components include:

- Operating System: Microsoft Windows XP Embedded
- System Software: EdgeFrontier
 - Provides simple device configuration, monitoring, management, and customization via a remote client interface
 - Harnesses the power of EdgeFrontier to enable capture, processing, correlation, and communication of data, events, and control functions from edge devices, systems, and networks
 - Allows solutions developed using EdgeFrontier Developer Edition, third-party pre-packaged processing and analysis software and other software to be rapidly implemented for device customization on remote basis

Optional components include:

- System: Processor, memory, and storage customization available
- I/O: Customized inputs/outputs
- Packaging: Heavy duty outdoor packaging and mounting mechanisms
- Power: Power supply modules available to support a broad input range
- Communications: Mesh-based networking with amplifier, ZigBee, 900 MHz, WiMax, and others 802.11 a/b/g with integrated 1 watt amplifier
- Sensor Interface Modules: Specialized USB devices for non-wireless assets
- Operating System: Windows Vista, Windows XP, Windows CE, Linux, and others
- Software: EdgeFrontier Developer Edition can be used to enhance the data capture, processing, and distribution capabilities of EdgeFrontier Appliance and EdgeFrontier
- Software: Third-party, pre-packaged processing and analysis software

Contacts

Pricing is available upon request. Substantial discounts are available for multi-user and original equipment manufacturer (OEM) purchases. Augusta Systems also can provide customized integration services, as well as training, to support the needs of enterprises and system integrators utilizing our products.

For more information, please contact:

Patrick Esposito II
President & Chief Executive Officer
Telephone: 304.599.3200 x118
Email: patrickesposito@augustasystems.com

Jack Williams
Manager, Sales & Business Development
Telephone: 304.599.3200 x121
Email: jwilliams@augustasystems.com

Research Ridge
3592 Collins Ferry Road, Suite 200
Morgantown, WV 26505
Telephone: 304.599.3200
Fax: 304.599.3480
www.augustasystems.com

About Augusta Systems

Augusta Systems, Inc. powers the intelligent convergence of devices, systems, and networks. Our award-winning EdgeFrontier products provide configurable technology platforms for building and managing complex monitoring, control, and automation solutions, including applications for safety and security, energy and utility management, asset tracking, building management, and other business functions.

Our products support integration and normalization of data, events, and control functions from diverse devices, systems, and networks, regardless of manufacturer or communications protocol. In addition, EdgeFrontier products provide structures for event processing and configuration of event or policy-based actions through a policy engine.

Leveraging these capabilities, EdgeFrontier products enable rapid creation of open, interoperable solutions featuring distributed processing, control, and automation throughout the network infrastructure. With the power of EdgeFrontier products, enterprises can unlock new features, decrease solution development costs, improve operational efficiencies, and increase the return on investment for new and legacy devices, systems, and networks.

For more information please visit www.augustasystems.com.