



INDUSTRIAL &
COMMERCIAL
CONNECTIVITY
SOLUTIONS

FLEXIBLE. RELIABLE. POWERFUL.



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About Sixnet

For more than three decades, Sixnet has been providing leading industrial and commercial machine-to-machine (M2M) connectivity to customers and markets worldwide. Our flexible solutions enable organizations to increase business productivity while lowering total cost of ownership. By integrating powerful industrial-strength networking and automation with enterprise-class wireless connectivity, Sixnet meets the standards of the most demanding industrial and commercial applications in industries such as power & energy, transportation, utilities, military, maritime, banking & retail, video & security, mobile data and more.

INDUSTRIAL CONNECTIVITY

Enterprise-Class Networking in a Rugged Package

Sixnet's industrial-grade products combine enterprise-class performance with rugged reliability to provide a "best of both worlds" solution for many of today's business critical industrial applications. Featuring a full line of rugged Ethernet switches, automation devices, routers and gateways, our industrial connectivity solutions are ideally suited for harsh, outdoor and remote environments. These include power substations, Smart Grid, military, utility, transportation and other applications where real-time performance under extreme operating conditions is required. For those locations where WAN connectivity is not feasible, remote accessibility eliminates the resource-intensive costs associated with traditional data collection methods. Built-in redundancy coupled with advanced security and network management also ensures the infrastructure stays up running and provides tools for monitoring and tracking.

COMMERCIAL CONNECTIVITY

Secure, Reliable M2M and Mobile Solutions

With a feature-rich suite of commercial wireless products, Sixnet offers the broadest range of M2M and mobile solutions available on the market today. Our routers and gateways deliver standards-based, enterprise-class functionality that enables secure, reliable wireless data access, anywhere, anytime. These solutions also take advantage of low monthly cellular rates to deliver cost-effective primary or back-up connectivity for kiosks, ATMs, point-of-sale (POS) terminals, lottery machines, in-vehicle data access and other applications. Wireless monitoring and control provides a simple, reliable and cost-effective alternative to conventional landline or WAN connectivity solutions.

industrial & commercial solutions



Addressing Market Challenges

Representing some of the world's leading organizations, customers rely on the power of Sixnet to address evolving market challenges. Our comprehensive portfolio of industrial and commercial connectivity products delivers:

REDUNDANT RELIABILITY

End users demand 100% uptime from service providers. That's why keeping the network up and running at all times is vital to success. With a proven 30-year track record, Sixnet has a history of developing reliable products that go the distance. Not only are our rugged, KEMA-certified switches, automation devices and M2M routers designed, tested and built for the harshest environments, they also provide the redundancy and remote monitoring required to ensure maximum uptime. In fact, the overall reliability of Sixnet equipment is legendary; our devices are known to withstand extreme conditions and vibration year after year without human intervention.

REAL-TIME PERFORMANCE

Today's organizations count on real-time, anywhere, anytime access to business critical application data. Networks rely on enterprise-class software functionality and processing power to seamlessly handle and transmit communications data without loss or error. Sixnet's innovative connectivity solutions provide the enterprise-class performance and management tools required to support the most demanding industrial and commercial applications. From real-time priority handling to efficient multicasting and advanced security, Sixnet equipment ensures information is safely delivered where and when it's needed regardless of location.

Industry Applications

From rugged Ethernet switches and automation devices to wireless gateways and routers, Sixnet supports industrial & commercial solution deployments across the following industries:

POWER & ENERGY

Power grid and alternative renewable sources such as wind farms and solar energy require high-speed, high-capacity networks that provide real-time access to information. As the industry embraces Smart Grid technology, the infrastructure's ability to continuously handle increasing data transfer and processing rates becomes even more essential.

Sixnet's industrial and connectivity products combine innovative enterprise-

class networking with rugged strength to withstand harsh power and energy conditions. Our KEMA-approved switches and rugged wireless gateways not only provide the performance required for the Smart Grid, but also offer reliable cellular WAN back-up communications to ensure continuous availability of power generation, transmission and distribution data networks.

UTILITIES

Public utility sites embody some of the world's harshest industrial locations. The resources at these sites represent critical, expensive assets that utility companies need to monitor closely to proactively gauge performance and detect fault. Considering many of these assets reside in isolated, harsh or toxic environments, remote access is crucial.

Sixnet's rugged wireless gateways and automation devices enable the easy retrieval and logging of critical telemetry data from the field. Leveraging high-speed Internet connectivity over the cellular network, our solutions provide real-time remote access to "always-on" monitoring equipment situated deep in the recesses of oil and gas fields and water treatment plants. This approach cuts costs and promotes safer productivity by reducing site visits and limiting exposure to harmful environmental effects.

TRANSPORTATION

Facing volatile operating conditions, the transportation industry requires reliable, rugged products capable of operating at real-time speeds over long distances. Sixnet's connectivity offerings provide ideal industrial and wireless solutions for traffic, tunnel and railway control system applications where equipment is deployed outside in stainless steel enclosures.

Tested and approved for temperature, shock, vibration, spike and surge variations, our industrial solutions deliver the reliability necessary to support the harshest of environments. With advanced security features and video support, our powerful fiber backbone and management tools allow intelligent transportation systems and other infrastructure applications to ensure real-time, remote access to critical application data 24/7. In addition, our rugged wireless gateways offer a cost-effective alternative for traditional dial-up or leased line back-up connections to street-side traffic control systems.

MILITARY

With military equipment subject to harsh climates, varying temperatures, shock and vibration, defense requirements are mission critical. Equipment has to be built to withstand extreme stresses without sacrificing performance.

Sixnet's specialty MIL-SPEC Ethernet switches and modems are designed to reliably provide high-performance connectivity for the harshest of defense applications. From temperature control to



SCALABLE FLEXIBILITY

Faced with ever-changing market conditions and growing network requirements, organizations need flexible, scalable solutions. Sixnet's products are built on open standards-based platforms designed to deliver maximum flexibility for today and tomorrow. Our switches provide multiple port options to enable tailored configuration and on-the-fly deployment. And, with a breadth of connectivity offerings, our wireless and automation products provide the versatility required to cost-effectively meet existing challenges while preparing for future growth.

LOWER COST OF OWNERSHIP

Infrastructure deployments are capital intensive investments. As such, companies place great emphasis on total cost of ownership. Sixnet lowers overall cost of ownership by delivering reliable, flexible solutions that are powerful enough to grow with an organization as requirements change. Our flexible platforms allow for easy in-the-field reconfiguration of equipment to fit changing operational requirements. This reduces order time and inventory costs associated with traditional configurations by reducing "fork-lift" upgrades and the necessity to stock spares.

deployable power generation, our products link in-vehicle communications systems to support a host of military applications on the land, in the air and on the sea. These include land vehicles, ground support facilities, missile delivery systems, bombers, aircraft and naval vessels.

MARITIME

From extreme water conditions and varying temperatures to the wind's force, conditions at sea can be relentlessly harsh. Maritime vessels, shipyards and other offshore applications require industrial-grade equipment for power management, monitoring and control.

Sixnet's rugged Ethernet switches and automation devices enable reliable data communications to occur both on the sea and at offshore locations. Our standards-based, enterprise-class management software monitors and tracks uptime, utilization and performance while providing proactive capabilities to remotely reconfigure and reboot equipment as necessary.

BANKING & RETAIL

Increasingly more banking and retail establishments are relying on electronic communications to process financial transactions around the clock. Due to the growing volume of online transactions, the potential financial impact of communications errors and disruptions is significant. This is why it is imperative that financial and retail institutions ensure business critical links are capable of operating continuously - even in the event of a system failure.

Sixnet's wireless M2M gateways and routers provide reliable access by securely connecting ATMs, kiosks and POS terminals to service institutions with failover protection from circuit disruptions and primary router failure. Back-up connection and disaster recovery functionality ensures uninterrupted, seamless communication between remote sites and headquarters. For additional flexibility, our equipment seamlessly connects to 3G cellular networks to offer a cost-effective alternative to traditional landlines.

MOBILE DATA

With fuel costs skyrocketing over the past few years, keeping the transportation, field service and distribution industries on time, in control and profitable is critical to business success. In addition, first-responders such as police, firefighters, rescue personnel, border guards and other authorities require secure command and field-communication services.

Sixnet's wireless gateways deliver in-vehicle cellular communication systems that enable reliable service call dispatching and asset tracking. By providing real-time remote access to information between vehicles and central dispatch, our solutions also extend to fleet management and service delivery applications. The end result ensures the near-instantaneous tracking of personnel for faster response times on service calls.

VIDEO & SECURITY

In today's security-conscious world, video monitoring is becoming widespread. Whether, as a deterrent to criminal activity, a way to collect visual evidence or simply a means to monitor remote assets, many organizations are using surveillance solutions to secure both assets and the surrounding environment.

Sixnet SCADA-compliant wireless modems provide remote Internet connectivity that enables the cost-effective deployment and management of surveillance systems for off-site video monitoring. Our wireless modems support the use of remote IP cameras as an "extra set of eyes" for increased staff safety and security in industrial settings and at temporary sites and events.



ETHERNET SWITCHES

“Sixnet is offering specialized ‘rugged’ infrastructure solution packages that provide the kind of durability, reliability and redundancy needed to get the job done.” — Smart Technology

AUTOMATION DEVICES

“Sixnet’s roots are in automation, and the company has been right there as the industry has moved toward Ethernet” — NetworkWorld

ROUTERS & GATEWAYS

“Solutions such as Sixnet’s gateways and routers offer something that traditional wireline connectivity cannot: rapid and highly mobile deployments.” — Network Computing

“Sixnet’s latest marketing push and dedication to improving the state of industrial networking means it’s certainly a company (and product line) to watch” — Enterprise Networking Planet





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The Sixnet Advantage

As a global innovator for more than thirty years, Sixnet offers the industry's most comprehensive M2M connectivity portfolio. By integrating reliability, flexibility and performance, Sixnet products cost-effectively scale to meet the highest standards of industrial and commercial applications in industries such as power & energy, transportation, utilities, military, maritime, banking & retail, video & security, mobile data and more.

Customers worldwide rely on the power of our rugged Ethernet switches, automation devices and wireless solutions to improve productivity and ensure uptime while reducing operating expenses and total cost of ownership. Sixnet's enterprise-class network management software combined with our unique ability to converge switching, automation and wireless technologies helps customers optimize business-critical networks and future proof the corporate infrastructure.

For more information, visit www.sixnet.com,
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