

Product Portfolio



EION RANGER



Ranger 1030



Ranger 5050



Ranger 5110



Ranger 5145



RUGGED WIRELESS

COMMUNICATION SOLUTIONS

eionwireless

Serving GLOBAL MARKETS

EION WIRELESS SOLUTIONS

Remote Communities

A community that is in a remote or isolated location faces many challenges – be it social, economic or environmental. Something as simple as going to the doctor, having access to educational materials or being able to sell goods can be a complex task. Technology and communications services have the ability to bridge the gap between these communities and the rest of the world.

Remote communities use wireless connectivity to provide these services to the Municipal offices, Educational Institutions, Businesses, and Hospitals in creating cost effective solutions.

Video Surveillance

As security today is now an omnipresent and growing concern, focus is now shifting towards distributed security and surveillance systems. There is a lot of such security and surveillance equipment available today, ranging from card readers and biometric keys to sophisticated surveillance cameras remotely controllable.

The challenge is to accelerate deployment of this equipment. Creating this maintenance free communication infrastructure needs to be cost-effective yet at the same time highly secure and extremely easy to deploy.

Defense and Security Agencies

Defense and Security Agencies around the world are faced with a unique set of challenges when planning their telecommunications network infrastructures. Handling highly classified and sensitive data, and ensuring its protection is a matter of departmental, and sometimes national security.

These networks are especially vulnerable to attacks by unauthorized, malicious users, and require real-time, enhanced security and encryption functionalities. Wireless solutions prevent these through vigilant monitoring, measuring and extracting IP traffic flows in real-time.

Energy Services

In order to remain competitive in today's marketplace, oil, energy and mining companies have to find new and innovative ways to conduct their exploration and exploitation activities in order to maximize resources. The ability to gain faster access to resources, and get the product to market quickly and in a cost-effective manner is essential to these industries.

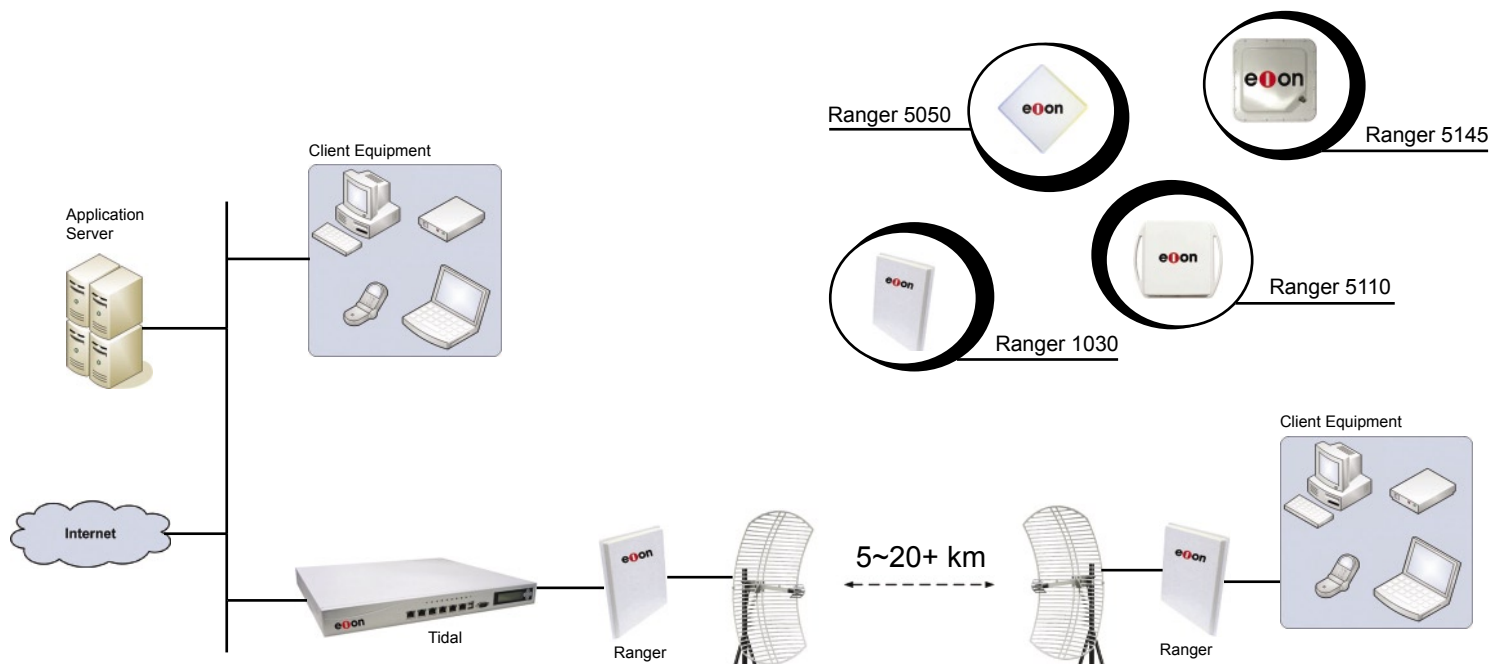
Security considerations are also paramount and wireless technology allows complex temporary networks to be deployed instantly without the wire clutter often found on traditional mining and exploration sites ranging from offshore, arctic, tropical forests and desert locations.

Hospitality Services

With businesses becoming more and more global and international in scope, and individuals choosing exotic and diverse travel destinations, the hospitality industry is adapting to provide value-added services to its patrons.

In an effort to create a "home away from home" environment, hotels and resorts must be able to deliver innovative services, such as wireless hotspots throughout their facilities, that are very attractive to guests.

Figure 1 EION Ranger Point-to-Point System



Key Benefits for YOUR BUSINESS

Figure 2 EION Ranger Point-to-Multipoint System

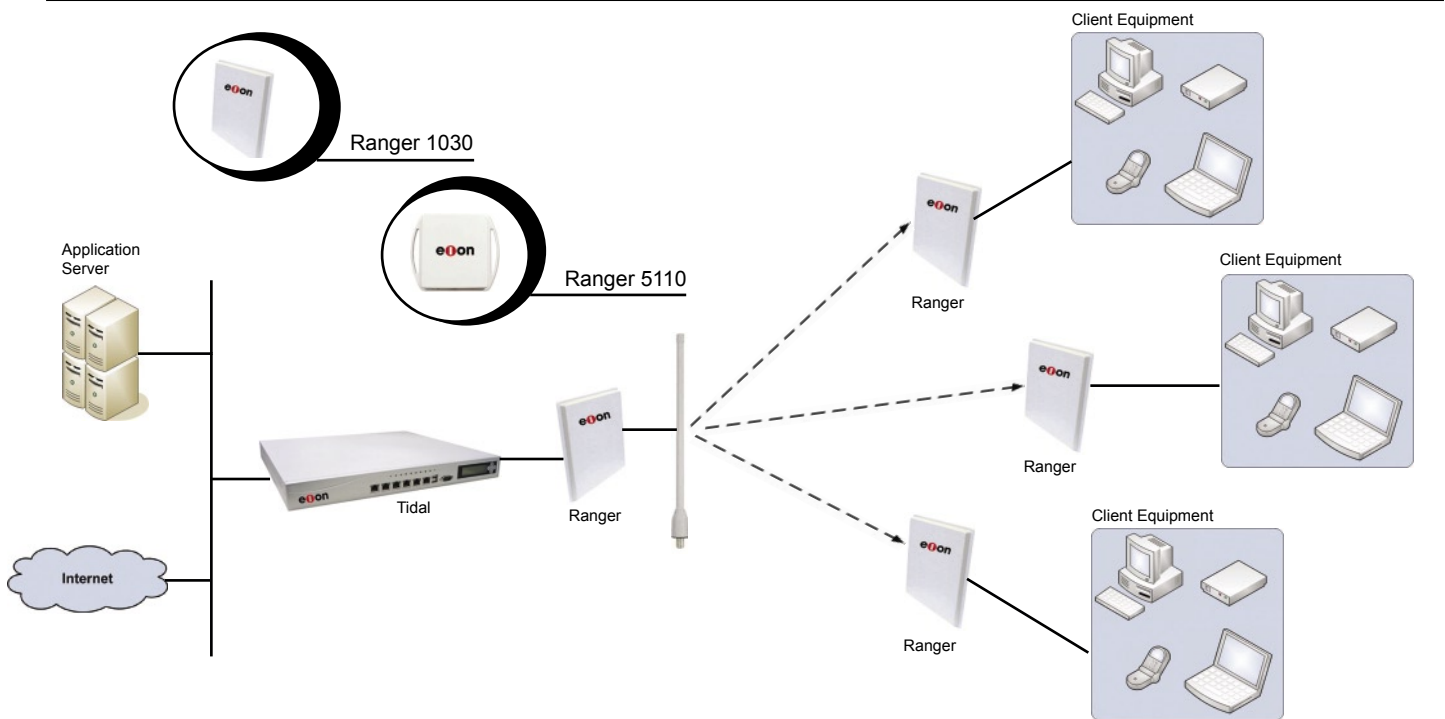


Table 1 EION Ranger Product Family Comparison

Features	Ranger 1030	Ranger 5050	Ranger 5110	Ranger 5145
Frequency	2.4 GHz	5.1 GHz- 5.9 GHz	5.8 GHz	5.3 GHz (UNII) 5.8 GHz (ISM)
Distance Range	1-9 km	1-15 km	1-20 km	1- 32 km
Multipoint	Yes	No	Yes	No
Modulation	DSSS	OFDM	OFDM	16 QAM
Over-the-Air Rate	Up to 11 Mbps	Up to 54 Mbps	Up to 36 Mbps	60 Mbps Full Duplex
Throughput	Up to 4.5 Mbps	Up to 28 Mbps	Up to 11 Mbps	45 Mbps Full Duplex
Built-in Encryption	WEP	AES-128	AES, DES, Blowfish	Proprietary protocol
Users Channels	11 overlapping 3 non-overlapping	Up to 80, country-specific	5	2

DIFFERENTIATORS

Cost of ownership

EION delivers affordable wireless solutions, through sustainable business models allowing for a one-time deployment investment at a substantially low per-subscriber cost. Clients realize significant savings through:

- Competitive price solutions
- Ease of install and deployment
- Cost of Network Operations
- Optimized for outdoor networks

Management

EION products facilitate operations through simplified and user-friendly network management with remote web-based or local console capabilities including:

- Bandwidth management
- User and/or data applications prioritization
- Remote upgradeable

Security

EION's wireless solutions offer highly secure and private networking capabilities. Optimized for rugged all-outdoor communications, EION solutions protect community & wireless networks:

- VLAN + VPN management
- Line-rate hardware VPN IPSec tunnels
- Intrusion control

Wireless Solutions WITH EION

With the future of networks squarely pointed at Wireless, EION helps its customers design and deploy rugged point-to-point, point-to-multipoint, and WI-FI networks. EION's combination of carrier class IP experience, wireless networking skills, and security expertise brings highly-reliable and secure wireless communication solutions to their clients.

From isolated and inaccessible villages to congested and challenging urban environments, EION builds the equipment and designs the solutions that make it all possible - a powerful combination of wireless broadband and scaleable wireless communications systems.

EION is the world leader in delivering robust, rugged wireless solutions that withstand extreme environmental and operating conditions. Markets and customers that require EION's rugged wireless solutions include: remote communities, defense and military departments, oil and mining exploration, and emergency response services.

EION's Rugged Wireless Communication Solution (RWCS) consists of a family of wireless bridges, access points and broadband gateways. The RWCS family includes industry-leading **Ranger** and **Tidal** product families, enabling Internet connectivity to users in remote sites.

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