



Sixnet Military Series

RUGGED IP67 & OEM SWITCHES



www.redlion.net/sixnet

Sixnet Military Series

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 IP67 industrial Ethernet switches are designed to reliably provide high-performance connectivity for the harshest defense applications. Military rated to support extreme defense conditions, our products link in-vehicle communication systems to support a host of military applications on the land, in the air and on sea. These include land vehicles, ground support facilities, missile delivery systems, bombers, aircraft, UAVs and naval vessels.

rugged
reliable

solutions



Military-Strength Connectivity

IP67 INDUSTRIAL ETHERNET SWITCHES



- **Rugged, proven hardware**

Commercial off-the-shelf (COTS) solutions

- IP67/IP65/NEMA 6 water, oil and dust-tight designs
- Protected circuitry withstands noise, transients and surges
- Wide operating temperatures from -40 to 75° C

- **Full military-rated switches**

Field tested and proven to support the harshest defense applications

- MIL-STD-810F (shock, vibration, temp, humidity, sand, dust, salt, fog elevation and explosive atmosphere)
- MIL-STD-461F (emissions and immunity)
- MIL-STD-1275D (power protection)
- MIL-STD-108E (steam and water)
- MIL-DTL-38999 connector system
- Heavy-duty aluminum packaging

- **Potted, compact IP67 switches**

Industrial rated to be water-tight and shock resistant

- MIL-STD-1275B (power protection)
- Quick-connect reverse bayonet and threaded connector options
- Water, oil and dust proof

PART NUMBER	TYPE	TOTAL PORTS	FAST ETHERNET	GIGABIT ETHERNET	CONNECTORS	CASE
			10 / 100	10 / 100 / 1000		
MIL-324-1	Managed	24	4	20	MIL-DTL-38999	Aluminum
MIL-326-1	Managed	26	4	22	MIL-DTL-38999	Aluminum
ET-8MS-MIL-1	Managed	8	8		MIL-DTL-38999	Aluminum
ET-8MG-MIL-1	Managed	8		8	MIL-DTL-38999	Aluminum
ET-8ES-MIL-1	Unmanaged	8	8		MIL-DTL-38999	Aluminum
ET-8EG-MIL-1	Unmanaged	8		8	MIL-DTL-38999	Aluminum
EB-GT-8ES-1EP	Unmanaged	8	8		Threaded	Fully-potted
ET-5ES-IP67-E	Unmanaged	5	5		Quick-Connect	Fiber-reinforced

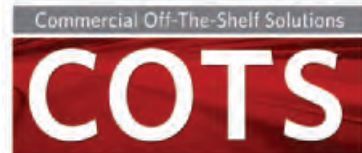
CONNECT. MONITOR. CONTROL.

Designed for Extreme Conditions

RUGGED ENOUGH TO MEET DEMANDING DEFENSE APPLICATIONS

- **Rugged, proven hardware**

- Bombers, transports, UAVs and other aircraft
- Missile delivery systems
- Naval vessels and offshore platforms
- Land vehicles with fluctuating power
- Ground support facilities



OVER 9,000 DEPLOYED

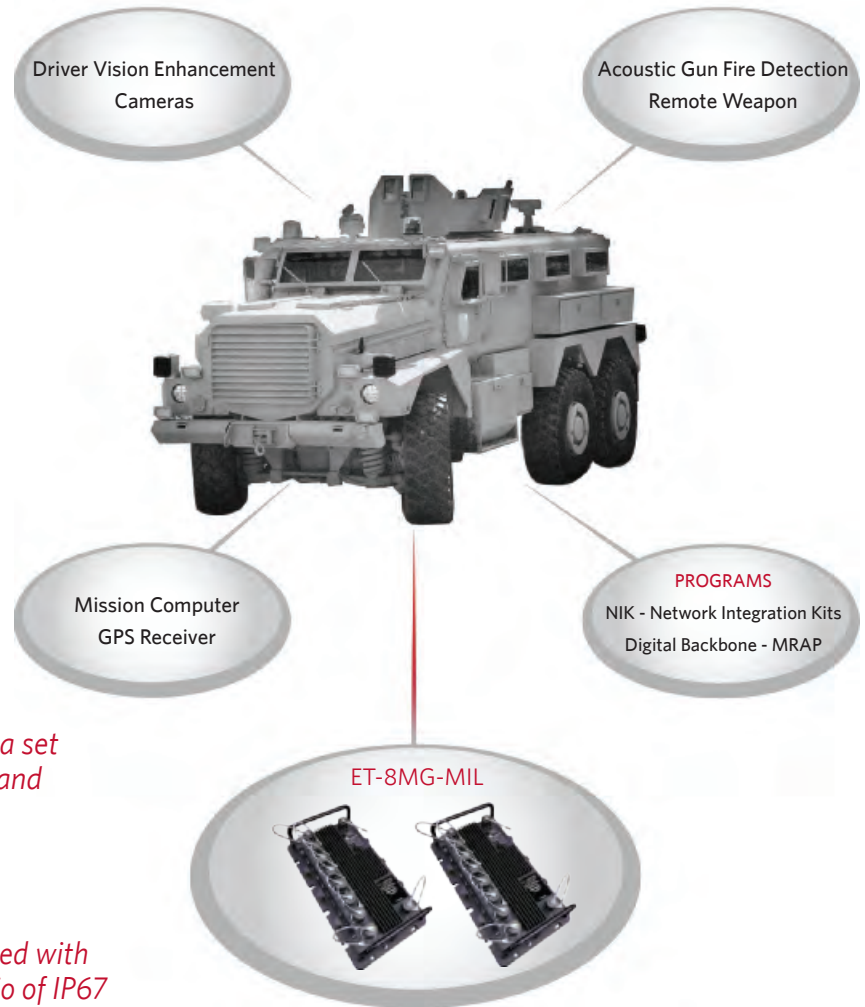
The EB-GT-8ES-1EP switches, designed for MIL-STD-1275 power requirements, are being used in Stryker Light Armored Vehicles.

"Sixnet is addressing the military market with a set of Ethernet switches that have been designed and certified to full military standards."

— Armor & Mobility

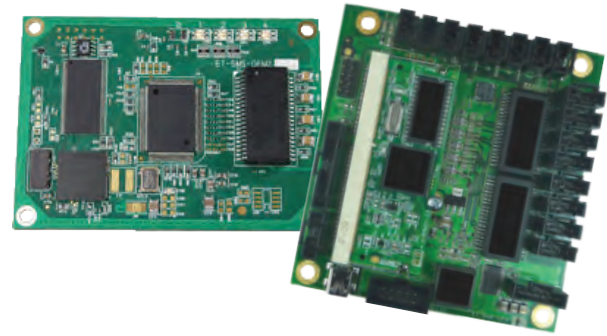
"Our organization is extremely satisfied with the defense expertise Sixnet's portfolio of IP67 switches brings to the table."

— A.E. Petsche



Customized Solutions

BOARD-LEVEL ETHERNET SWITCHES



- Board-level industrial designs**

Ideal for embedded COTS applications

- Seamlessly create custom switches
- Protected circuitry and hardened design
- Wide operating temperatures from -40 to 75° C
- Designed to save time and money

- 5+ port OEM industrial Ethernet switches**

Extremely compact and low power consumption

- Up to 6 ports for flexible interfacing
- Four 10/100 PHYs and on-board magnetics
- Extra output lines to drive external LEDs
- Less than 2W of power consumption
- Compact design for the tightest applications

- 8+ port OEM industrial Ethernet switches**

Standard PC/104 footprint for easy integration

- Board-level design for embedded applications
- Up to 10 ports including one MII
- Eight 10/100 PHYs and on-board magnetics
- Two Gigabit ports available through external PHYs
- Board-to-board or board-to-wire connections
- Interface options for external LEDs

PART NUMBER	TYPE	TOTAL PORTS	FAST ETHERNET		GIGABIT ETHERNET		SIZE
			10 / 100	100 FIBER	10 / 100 / 1000	GIG FIBER	
ET-5MS-OEM	Managed	6	up to 6	up to 1			Ultra-compact 2.5 x 3.5"
ET-8MS-OEM	Managed	10	8	up to 2	up to 2	up to 2	Standard PC/104 3.6 x 3.8"

Cabling

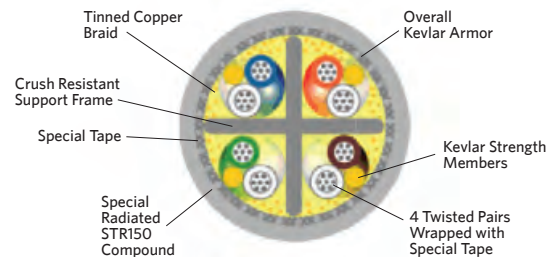
INDUSTRIAL ETHERNET CABLE

Kevlar cable protects Ethernet connections in extreme environments

PART NUMBER	DESCRIPTION
EB-CAT5E	Kevlar-reinforced category 5 Ethernet cabling
ET-CAT6M	Kevlar-armored category 6 Ethernet cabling

Available in pre-assembled cordsets or bulk reel

CAT6 Kevlar Cable



CONNECT. MONITOR. CONTROL.

About

As the global experts in communication, monitoring and control for industrial automation, Red Lion has been delivering innovative solutions to customers for forty years. Our award-winning technology enables companies worldwide to gain real-time data visibility that drives productivity. Product brands include Red Lion, Sixnet and N-Tron. With headquarters in York, Pennsylvania, the company has offices across the Americas, Asia-Pacific and Europe. Red Lion is a Spectris company.

Visit www.redlion.net/sixnet, email info@redlion.net or call +1 (518) 877-5173 to learn more.

