



Sixnet Ethernet Series

## INDUSTRIAL SWITCHES



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## Sixnet Ethernet Series

Sixnet industrial Ethernet switches combine enterprise-class performance with rugged reliability to provide a “best of both worlds” solution for many of today’s industrial applications. Our hardened switches are ideally suited for harsh and outdoor environments that include oil and gas, water/wastewater power, transportation and other industries where real-time performance under extreme operating conditions is required.

rugged reliable

devices



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# Advanced

## Extremeline (EL) Layer 2 & 3 Ethernet Switches

- **Innovative enterprise-class networking in a rugged package**
  - Advanced security features prevent unauthorized access
  - QoS traffic classification ensures real-time message delivery
  - Sophisticated multicast controls reduce traffic
  - Built-in redundancy ensures quick failover
  - Powerful network management and plug-and-play functionality simplify deployment
  - DIN-rail and rack mount form factors



| LAYER 2<br>PART NUMBER                                       | TYPE    | TOTAL<br>PORTS | FAST ETHERNET |              | GIGABIT ETHERNET   |              | INGRESS<br>PROTECT | MOUNTING<br>& CASE | OPERATING<br>TEMP |
|--|---------|----------------|---------------|--------------|--------------------|--------------|--------------------|--------------------|-------------------|
|  |         |                | 10 / 100      | 100<br>FIBER | 10 / 100<br>/ 1000 | GIG<br>FIBER |                    |                    |                   |
| <b>EL228-A0-1</b><br>single universal AC/DC power input      | Managed | 28             | up to 24      | up to 26     | 4                  | up to 2      | IP50               | 19" rack           | -40 to 85° C      |
| <b>EL228-AA-1</b><br>dual universal AC/DC power inputs       | Managed | 28             | up to 24      | up to 26     | 4                  | up to 2      | IP50               | 19" rack           | -40 to 85° C      |
| <b>EL228-DO-1</b><br>single 18-75 VDC power input            | Managed | 28             | up to 24      | up to 26     | 4                  | up to 2      | IP50               | 19" rack           | -40 to 85° C      |
| <b>EL228-DD-1</b><br>dual 18-75 VDC power inputs             | Managed | 28             | up to 24      | up to 26     | 4                  | up to 2      | IP50               | 19" rack           | -40 to 85° C      |
| <b>EL121F-AC-V1</b><br>single universal AC/DC power input    | Managed | 12             | up to 8       | up to 12     | up to 4            | up to 4      | IP40               | DIN rail - metal   | -40 to 85° C      |
| <b>EL121F-DC-V1</b><br>dual redundant 18-59 VDC power inputs | Managed | 12             | up to 8       | up to 12     | up to 4            | up to 4      | IP40               | DIN rail - metal   | -40 to 85° C      |

| LAYER 3<br>PART NUMBER                                  | TYPE    | TOTAL<br>PORTS | GIGABIT ETHERNET   |              | OPTIONAL 10<br>GIG PORTS | INGRESS<br>PROTECT | MOUNTING<br>& CASE | OPERATING<br>TEMP |
|---|---------|----------------|--------------------|--------------|--------------------------|--------------------|--------------------|-------------------|
|   |         |                | 10 / 100<br>/ 1000 | GIG<br>FIBER |                          |                    |                    |                   |
| <b>EL326-A0-1</b><br>single universal AC/DC power input | Managed | 26             | 24                 | up to 4      | up to 2                  | IP40               | 19" rack           | -35 to 75° C      |
| <b>EL326-AA-1</b><br>dual universal AC/DC power inputs  | Managed | 26             | 24                 | up to 4      | up to 2                  | IP40               | 19" rack           | -35 to 75° C      |
| <b>EL326-DO-1</b><br>single 18-59 VDC power input       | Managed | 26             | 24                 | up to 4      | up to 2                  | IP40               | 19" rack           | -35 to 75° C      |
| <b>EL326-DD-1</b><br>dual 18-59 VDC power inputs        | Managed | 26             | 24                 | up to 4      | up to 2                  | IP40               | 19" rack           | -35 to 75° C      |

# Standard

## SlimLine Plus (SLX) Ethernet Switches



- **Versatile networking solutions**
  - Managed, unmanaged, ring and PoE switches
- **Flexible deployment options**
  - 3 to 18 port DIN-rail style
  - Plug-and-play functionality works out of box
  - Fast redundant ring and mesh network support
- **Hardened for the toughest applications**
  - Supports temperatures ranging from -40 to 75/85° C
  - Class I, Div 2 and Zone 2 hazardous locations

### Advanced features and security

- Configurable network management
- Real-time data access and prioritization
- Modbus monitoring capable

| PART NUMBER     | TYPE      | TOTAL PORTS | FAST ETHERNET |           | GIGABIT ETHERNET |           | INGRESS PROTECT | MOUNTING & CASE  | OPERATING TEMP |
|-----------------|-----------|-------------|---------------|-----------|------------------|-----------|-----------------|------------------|----------------|
|                 |           |             | 10 / 100      | 100 FIBER | 10 / 100 / 1000  | GIG FIBER |                 |                  |                |
| SLX-5MS-1       | Managed   | 5           | 5             | —         | —                | —         | IP40            | DIN rail - metal | -40 to 75° C   |
| SLX-5MS-4/5     | Managed   | 5           | 3             | 2         | —                | —         | IP40            | DIN rail - metal | -40 to 75° C   |
| SLX-5MS-MDM-1   | Managed   | 5           | 5             | —         | —                | —         | IP40            | DIN rail - metal | -40 to 75° C   |
| SLX-8MS-1       | Managed   | 8           | 8             | —         | —                | —         | IP40            | DIN rail - metal | -40 to 75° C   |
| SLX-8MS-4/5/8/9 | Managed   | 8           | 4 or 6        | 2 or 4    | —                | —         | IP40            | DIN rail - metal | -40 to 75° C   |
| SLX-8MG-1       | Managed   | 8           | —             | up to 4   | 8                | up to 4   | IP40            | DIN rail - metal | -40 to 75° C   |
| SLX-10MG-1      | Managed   | 10          | 7             | up to 2   | 3                | up to 2   | IP40            | DIN rail - metal | -40 to 75° C   |
| SLX-16MS-1      | Managed   | 16          | 16            | —         | —                | —         | IP40            | DIN rail - metal | -40 to 75° C   |
| SLX-18MG-1      | Managed   | 18          | 16            | up to 2   | 2                | up to 2   | IP40            | DIN rail - metal | -40 to 75° C   |
| EB-5ES-PSE-1    | Unmanaged | 5           | 5 (4 PoE)     | —         | —                | —         | IP40            | DIN rail - Lexan | -40 to 75° C   |
| SLX-3ES-2/3     | Unmanaged | 3           | 2             | 1         | —                | —         | IP40            | DIN rail - metal | -40 to 85° C   |
| SLX-3EG-1SFP    | Unmanaged | 3           | —             | —         | 2                | 1         | IP40            | DIN rail - metal | -40 to 85° C   |
| SLX-5EG-1       | Unmanaged | 5           | —             | —         | 5                | —         | IP40            | DIN rail - metal | -40 to 85° C   |
| SLX-5ES-1       | Unmanaged | 5           | 5             | —         | —                | —         | IP40            | DIN rail - metal | -40 to 85° C   |
| SLX-5ES-2/3     | Unmanaged | 5           | 4             | 1         | —                | —         | IP40            | DIN rail - metal | -40 to 85° C   |
| SLX-6ES-4/5     | Unmanaged | 6           | 4             | 2         | —                | —         | IP40            | DIN rail - metal | -40 to 85° C   |
| SLX-8ES-1       | Unmanaged | 8           | 8             | —         | —                | —         | IP40            | DIN rail - metal | -40 to 85° C   |
| SLX-8ES-6/7     | Unmanaged | 8           | 5             | 3         | —                | —         | IP40            | DIN rail - metal | -40 to 85° C   |
| SLX-9ES-2/3     | Unmanaged | 9           | 8             | 1         | —                | —         | IP40            | DIN rail - metal | -40 to 85° C   |
| SLX-6RS-1       | Ring      | 6           | 6             | —         | —                | —         | IP40            | DIN rail - metal | -40 to 85° C   |
| SLX-6RS-4/5     | Ring      | 6           | 4             | 2         | —                | —         | IP40            | DIN rail - metal | -40 to 85° C   |



# Light

## SlimLine (SL) Ethernet Switches

- **Robust-edge devices**
  - Unmanaged and ring switches
- **Flexible deployment options**
  - 2 to 9 port DIN-rail or panel mount
  - Plug-and-play functionality works out of box
- **Trouble-free operation**
  - Ultra-reliable 1,000,000+ hours MTBF
  - Dual power inputs with industrial spike protection
- **Industrial indoor rated**
  - Class I, Div 2 and Zone 2 hazardous locations



| PART NUMBER | TYPE      | TOTAL PORTS | FAST ETHERNET |           | GIGABIT ETHERNET |           | INGRESS PROTECT | MOUNTING & CASE  | OPERATING TEMP |
|-------------|-----------|-------------|---------------|-----------|------------------|-----------|-----------------|------------------|----------------|
|             |           |             | 10 / 100      | 100 FIBER | 10 / 100 / 1000  | GIG FIBER |                 |                  |                |
| SL-2ES-2/3  | Unmanaged | 2           | 1             | 1         | —                | —         | IP30            | DIN rail - Lexan | -10 to 60° C   |
| SL-5ES-1    | Unmanaged | 5           | 5             | —         | —                | —         | IP30            | DIN rail - Lexan | -40 to 60° C   |
| SL-5ES-2/3  | Unmanaged | 5           | 4             | 1         | —                | —         | IP30            | DIN rail - Lexan | -40 to 60° C   |
| SL-6ES-4/5  | Unmanaged | 6           | 4             | 2         | —                | —         | IP30            | DIN rail - Lexan | -40 to 60° C   |
| SL-8ES-1    | Unmanaged | 8           | 8             | —         | —                | —         | IP30            | DIN rail - Lexan | -40 to 60° C   |
| SL-9ES-2/3  | Unmanaged | 9           | 8             | 1         | —                | —         | IP30            | DIN rail - Lexan | -40 to 60° C   |
| SL-6RS-1    | Ring      | 6           | 6             | —         | —                | —         | IP30            | DIN rail - Lexan | -40 to 60° C   |
| SL-6RS-4/5  | Ring      | 6           | 4             | 2         | —                | —         | IP30            | DIN rail - Lexan | -40 to 60° C   |

## CONNECT. MONITOR. CONTROL.

*“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*

*“Managed switch delivers ‘lowest cost ownership’.” — Drives & Controls*

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# 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](http://www.redlion.net/sixnet), email [info@redlion.net](mailto:info@redlion.net) or call +1 (518) 877-5173 to learn more.

