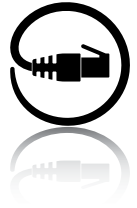


# Stride SE Series Unmanaged Industrial Ethernet Switches and Media Converters



## Features

- Wide temp range option
- Integrated panel mounting option
- 12, 24 VDC redundant input
- IP40 metal case models
  - IP30 plastic case models
- Haz Loc
- 5-year warranty



IECEX



RoHS Compliant

## Plastic Case Switches

| Stride SE Series Unmanaged Models |          |        |                 |             |                                 |                               |
|-----------------------------------|----------|--------|-----------------|-------------|---------------------------------|-------------------------------|
| Part Number                       | Price    | 10/100 | Fiber Connector | Input Power | Operating Temp                  | Agency Approvals              |
| <a href="#"><u>SE-SW5U</u></a>    | \$162.00 | 5      | –               | 2.0 W       | -10 to +60°C<br>[+14 to +140°F] | UL/cUL 508,<br>Haz Loc,<br>CE |
| <a href="#"><u>SE-SW8U</u></a>    | \$219.00 | 8      | –               | 4.0 W       |                                 |                               |
| <a href="#"><u>SE-SW5U-ST</u></a> | \$280.00 | 4      | 1 ST            | 3.0 W       |                                 |                               |
| <a href="#"><u>SE-SW5U-SC</u></a> | \$262.00 |        | 1 SC            |             |                                 |                               |
| <a href="#"><u>SE-MC2U-ST</u></a> | \$238.00 | 1      | 1 ST            | 2.0 W       |                                 |                               |
| <a href="#"><u>SE-MC2U-SC</u></a> | \$235.00 |        | 1 SC            |             |                                 |                               |

## Metal Case Switches

| Stride SE Series Unmanaged Models    |          |        |                 |             |                                 |                               |
|--------------------------------------|----------|--------|-----------------|-------------|---------------------------------|-------------------------------|
| Part Number                          | Price    | 10/100 | Fiber Connector | Input Power | Operating Temp                  | Agency Approvals              |
| <a href="#"><u>SE-SW5U-WT</u></a>    | \$264.00 | 5      | –               | 2.0 W       | -40 to +85°C<br>[-40 to +185°F] | UL/cUL 508,<br>Haz Loc,<br>CE |
| <a href="#"><u>SE-SW5U-ST-WT</u></a> | \$368.00 | 4      | 1 ST            | 3.0 W       |                                 |                               |
| <a href="#"><u>SE-SW5U-SC-WT</u></a> | \$370.00 | 4      | 1 SC            |             |                                 |                               |
| <a href="#"><u>SE-SW9U-ST-WT</u></a> | \$419.00 | 8      | 1 ST            | 5.0 W       |                                 |                               |
| <a href="#"><u>SE-SW9U-SC-WT</u></a> | \$409.00 | 8      | 1 SC            |             |                                 |                               |

# Stride SE Series Unmanaged Industrial Ethernet Switches and Media Converters

| General Specifications                                         |                                                                                                                                                                 |                                                             |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| <b>Ethernet Switch Type</b>                                    | Up to 9 ports                                                                                                                                                   |                                                             |
| <b>Operating Mode</b>                                          | Store and forward wire speed switching, non-blocking                                                                                                            |                                                             |
| <b>Devices Supported</b>                                       | All IEEE 802.3 compliant devices are supported                                                                                                                  |                                                             |
| <b>Standards</b>                                               | IEEE 802.3, 802.3u, 802.3x                                                                                                                                      |                                                             |
| <b>MAC Addresses</b>                                           | 1024 addresses                                                                                                                                                  |                                                             |
| <b>Memory Bandwidth</b>                                        | 3.2 Gbps                                                                                                                                                        |                                                             |
| <b>Latency for 10 Mbps ports</b>                               | 16 $\mu$ s + frame time (typical)                                                                                                                               |                                                             |
| <b>Latency for 100 Mbps ports</b>                              | 5 $\mu$ s + frame time (typical)                                                                                                                                |                                                             |
| <b>Power Input</b>                                             | Redundant Input Terminals                                                                                                                                       |                                                             |
| <b>Input Power (typical with all ports active at 100 Mbps)</b> | SE-MC2U-ST<br>SE-MC2U-SC<br>SE-SW5U<br>SE-SW5U-WT                                                                                                               | 2.0 W                                                       |
|                                                                | SE-SW5U-ST<br>SE-SW5U-SC<br>SE-SW5U-ST-WT<br>SE-SW5U-SC-WT                                                                                                      | 3.0 W                                                       |
|                                                                | SE-SW8U                                                                                                                                                         | 4.0 W                                                       |
|                                                                | SE-SW9U-ST-WT<br>SE-SW9U-SC-WT                                                                                                                                  | 5.0 W                                                       |
|                                                                |                                                                                                                                                                 |                                                             |
| <b>Input Voltage</b>                                           | 10-30 VDC (continuous)—Class 2 Power Supply                                                                                                                     |                                                             |
| <b>Reverse Power Protection</b>                                | Yes                                                                                                                                                             |                                                             |
| <b>Transient Protection</b>                                    | 15,000 watts peak                                                                                                                                               |                                                             |
| <b>Spike Protection</b>                                        | 5,000 watts (10x for 10 us)                                                                                                                                     |                                                             |
| <b>Ethernet Isolation</b>                                      | 1500 VRMS 1 minute                                                                                                                                              |                                                             |
| <b>Operating Temperature Range</b>                             | SE-MC2U-ST<br>SE-MC2U-SC<br>SE-SW5U<br>SE-SW8U<br>SE-SW5U-ST<br>SE-SW5U-SC                                                                                      | -10 to +60°C [+14 to +140°F], cold startup at -10°C [+14°F] |
|                                                                | SE-SW5U-WT<br>SE-SW5U-ST-WT<br>SE-SW5U-SC-WT<br>SE-SW9U-ST-WT<br>SE-SW9U-SC-WT                                                                                  | -40 to +85°C [-40 to +185°F], cold startup at -40°C [-40°F] |
| <b>Storage Temperature Range</b>                               | -40 to +85°C [-40 to +185°F]                                                                                                                                    |                                                             |
| <b>Humidity (non-condensing)</b>                               | 5 to 95% RH                                                                                                                                                     |                                                             |
| <b>Environmental Air</b>                                       | No corrosive gases permitted.<br>For use in Pollution Degree 2 environment                                                                                      |                                                             |
| <b>Vibration and Shock</b>                                     | IEC60068-2 and -27                                                                                                                                              |                                                             |
| <b>EMI Emissions</b>                                           | FCC part 15, ICES-003, EN55022                                                                                                                                  |                                                             |
| <b>EMC Immunity</b>                                            | IEC61326-1                                                                                                                                                      |                                                             |
| <b>RoHS and WEEE</b>                                           | RoHS (Pb free) and WEEE compliant                                                                                                                               |                                                             |
| <b>Agency Approvals</b>                                        | UL/cUL 508, CSA C22 per EN61010-1, UL HazLoc (Class 1, Div. 2, Groups A, B, C, D) (UL file #E200031), CSA C 22.2/213/EN60079-15 (Zone 2, Category 3), CE (ATEX) |                                                             |

| General Specifications Cont'd   |                                                                                |                    |
|---------------------------------|--------------------------------------------------------------------------------|--------------------|
| <b>Packaging and Protection</b> | SE-MC2U-ST<br>SE-MC2U-SC<br>SE-SW5U<br>SE-SW8U<br>SE-SW5U-ST<br>SE-SW5U-SC     | UL94VO Lexan, IP30 |
|                                 | SE-SW5U-WT<br>SE-SW5U-ST-WT<br>SE-SW5U-SC-WT<br>SE-SW9U-ST-WT<br>SE-SW9U-SC-WT | Metal case, IP40   |

| Copper RJ45 Ports: (10/100BaseT) |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| <b>10/100BaseT ports</b>         | Shielded RJ45                                                     |
| <b>Protocols Supported</b>       | All standard IEEE 802.3                                           |
| <b>Ethernet Compliance</b>       | IEEE 802.3, 802.3u, 802.3x                                        |
| <b>Auto-Crossover</b>            | Yes, allows you to use straight-through or crossover wired cables |
| <b>Auto-Sensing Operation</b>    | Yes, full and half duplex                                         |
| <b>Auto-Negotiating</b>          | Yes, 10BaseT and 100BaseT                                         |
| <b>Auto-Polarity</b>             | Yes, on the TD and RD pair                                        |
| <b>Flow Control</b>              | Automatic                                                         |
| <b>Ethernet Isolation</b>        | 1500 VRMS 1 minute                                                |
| <b>Plug and Play</b>             | Yes                                                               |
| <b>Cable Requirements</b>        | Twisted pair (Cat5e or better) (shielded recommended)             |
| <b>Max. Cable Distance</b>       | 100 meters                                                        |

| Fiber Port: (100BaseFX multimode)          |                                                                                                                                  |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>100BaseFX Ports</b>                     | 1                                                                                                                                |
| <b>Fiber Port Mode</b>                     | Multimode (mm)                                                                                                                   |
| <b>Fiber Port Connector</b>                | ST – models SE-XXXX-ST and SE-XXXX-ST-WT<br>SC – models SE-XXXX-SC and SE-XXXX-SC-WT                                             |
| <b>Optimal Fiber Cable</b>                 | 50/125 or 62.5/125 $\mu$ m                                                                                                       |
| <b>Center Wavelength</b>                   | 1300 nm                                                                                                                          |
| <b>Multimode</b>                           | Links up to 4 km typ.;<br>> Transmitter power (dBm): -21 min, -17 typ, -14 max<br>> Receiver sensitivity (dBm): -34 typ, -31 max |
| <b>Nominal Max. Distance (full duplex)</b> | 4 km                                                                                                                             |
| <b>Ethernet Compliance</b>                 | 100BaseFX                                                                                                                        |
| <b>Eye Safety (laser)</b>                  | IEC 60825-1, Class 1; FDA 21 CFR 1040.10 and 1040.11                                                                             |

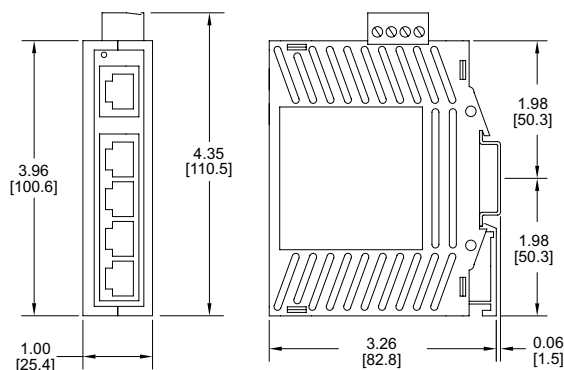
## Complete documentation

Documentation can be downloaded from [www.automationdirect.com](http://www.automationdirect.com).

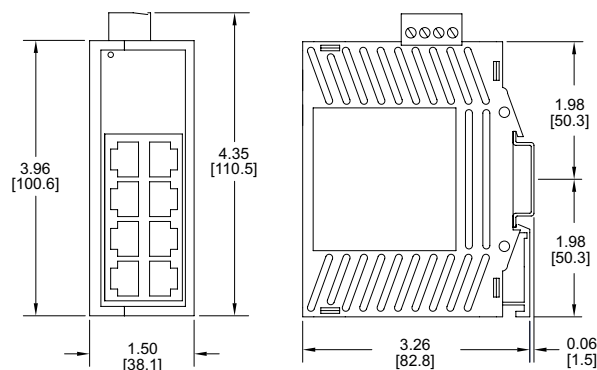
# Stride SE Series Unmanaged Industrial Ethernet Switches and Media Converters

## Dimensions

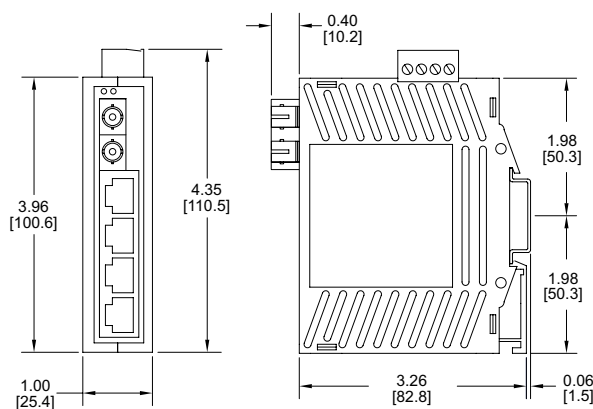
Inches [mm]



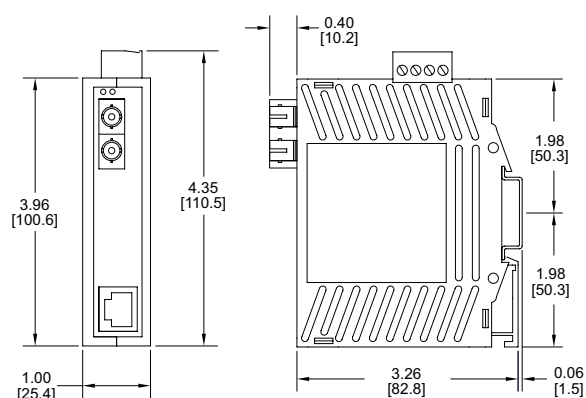
**SE-SW5U**



**SE-SW8U**



**SE-SW5U-SC**  
**SE-SW5U-ST**



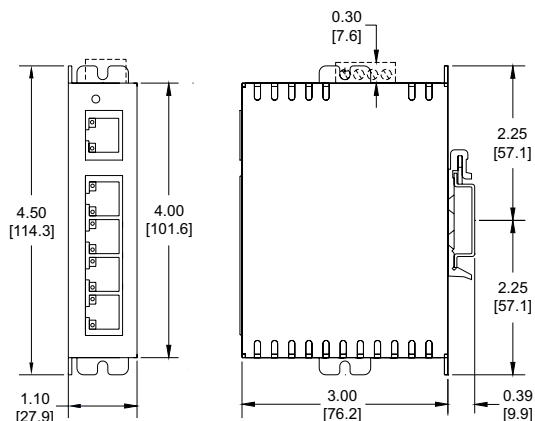
**SE-MC2U-SC**  
**SE-MC2U-ST**

See our website: [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings.

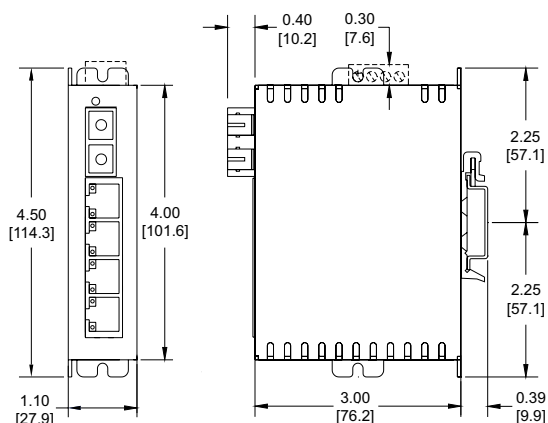
# Stride SE Series Unmanaged Industrial Ethernet Switches and Media Converters

## Dimensions

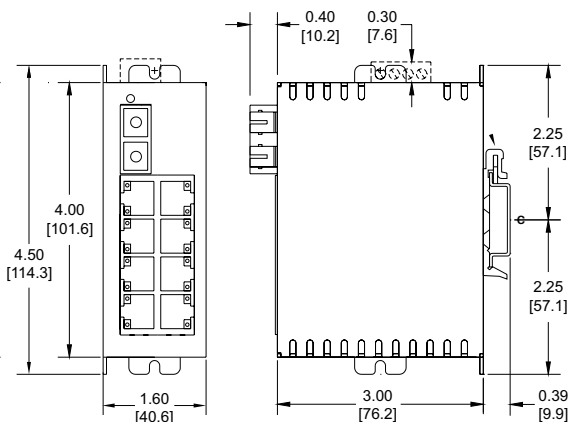
Inches [mm]



**SE-SW5U-WT**



**SE-SW5U-SC-WT**  
**SE-SW5U-ST-WT**



**SE-SW9U-SC-WT**  
**SE-SW9U-ST-WT**

See our website: [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings.

# Stride<sup>®</sup> Unmanaged Industrial Ethernet Switches

## Features

- Reliable connectivity
- Industrially hardened
- Simple installation
- For detailed specifications on all models, see the specific series pages



|                                        |                                    | SE Series                    | SE3 Series DIN Rail          | SE3 Series IP67              |
|----------------------------------------|------------------------------------|------------------------------|------------------------------|------------------------------|
| <b>Price</b>                           |                                    |                              |                              |                              |
|                                        |                                    | starting at \$162.00         | starting at \$72.00          | starting at \$279.00         |
| <b>Broadcast Storm Protection</b>      |                                    |                              |                              |                              |
|                                        |                                    | —                            | —                            | —                            |
| <b>Industrial Temperature Ranges</b>   |                                    |                              |                              |                              |
|                                        | <b>Standard Temp</b>               | -10 to +60°C [14 to 140°F]   | -10 to +65°C [14 to 149°F]   | —                            |
|                                        | <b>Wide Temp</b>                   | -40 to +85°C [-40 to +185°F] | -40 to +75°C [-40 to +167°F] | -40 to +75°C [-40 to +167°F] |
| <b>Port Connectivity</b>               |                                    |                              |                              |                              |
|                                        | <b>Port Count</b>                  | 2 to 9                       | 5 to 16                      | 5                            |
|                                        | <b>RJ45 Port Speed</b>             | up to 100 Mbps               | up to 1000 Mbps              | —                            |
|                                        | <b>M12 Port Speed</b>              | —                            | —                            | up to 100 Mbps               |
|                                        | <b>Fiber Optic Ports</b>           | ✓                            | ✓                            | —                            |
|                                        | <b>PoE+ Ports</b>                  | —                            | ✓                            | —                            |
|                                        | <b>SFP Ports</b>                   | —                            | ✓                            | —                            |
| <b>Mounting</b>                        |                                    |                              |                              |                              |
|                                        | <b>DIN Rail Mount</b>              | ✓                            | ✓                            | ✓                            |
|                                        | <b>Panel Mount</b>                 | ✓                            | ✓                            | ✓                            |
| <b>Input Power</b>                     |                                    |                              |                              |                              |
|                                        | <b>Redundant Power Inputs</b>      | ✓                            | ✓                            | ✓                            |
|                                        | <b>Reverse Polarity Protection</b> | ✓                            | ✓                            | ✓                            |
|                                        | <b>Power LED</b>                   | ✓                            | ✓                            | ✓                            |
| <b>Agency Approvals</b>                |                                    |                              |                              |                              |
|                                        | <b>UL508 or UL61010</b>            | ✓                            | ✓                            | ✓                            |
|                                        | <b>Haz Loc—Class 1 Div 2</b>       | ✓                            | ✓ (certain models)           | —                            |
|                                        | <b>IECEX</b>                       | ✓                            | —                            | —                            |
|                                        | <b>ATEX Zone 2</b>                 | ✓                            | —                            | —                            |
|                                        | <b>CE</b>                          | ✓                            | ✓                            | ✓                            |
|                                        | <b>EN50155 &amp; EN50121</b>       | —                            | —                            | —                            |
| <b>Warranty</b>                        |                                    |                              |                              |                              |
|                                        |                                    | 5 years                      | 5 years                      | 5 years                      |
| <b>Activity, Link &amp; Speed LEDs</b> |                                    |                              |                              |                              |
|                                        |                                    | ✓                            | ✓                            | ✓                            |