

# Product data sheet

Specifications



## Modicon Extended Managed Switch - 8 ports for copper + 2 ports for fiber optic single-mode

MCSESM103F2CS1

**Product availability: Stock - Normally stocked in distribution facility**

### Main

Range of Product	Modicon
Product or Component Type	Ethernet TCP/IP managed switch
Concept	Transparent Ready
communication port protocol	Ethernet TCP/IP SSH HTTP HTTPS SNMP RS232 SFTP SCP LLDP Telnet SNTP
Port Ethernet	100BASE-FX - 2 fiber optic 10/100BASE-TX - 8 copper cable
Maximum number of switches in cascade	Unlimited
Cybersecurity	Port hardening IP-based port security MAC-based port security Port-based access control Role-based access control RADIUS assignment HTTPS DoS prevention VLAN-based ACL Audit trail SNMP logging Pre-login banner

### Complementary

Integrated connection type	Duplex SC fiber optic Shielded RJ45 copper cable
Transmission support medium	Single mode optical fiber fiber optic Twisted shielded pairs cable CAT 5E copper cable
Maximum cable distance between devices	328.08 ft (100 m) copper cable
Optic fiber length	20.2 mile (32.5 km) 9/125 $\mu$ m
Attenuation	0...16 dB 9/125 $\mu$ m)
Ethernet service	Configuration via web server VLAN Multicast filtering Data stream control IGMP Snooping SNMP-Traps and SYSLOG

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Communication Service</b>	TFTP Quality of Service (QoS) Port monitoring Port mirroring Address conflict detection
<b>Diagnostics run time</b>	Signal contact Self test MAC notification
<b>Maximum number of switches in a ring</b>	50
<b>Redundancy</b>	HiPER ring RSTP Link aggregation Link backup Redundant network coupling MRP Dual RSTP
<b>[Us] rated supply voltage</b>	12...24 V
<b>Supply voltage limits</b>	9.6...32 V DC SELV
<b>Power consumption in W</b>	8 W
<b>Electrical connection</b>	Removable connector 6 ways power supply
<b>Mounting Support</b>	35 mm symmetrical DIN rail
<b>marking</b>	CE CULus RCM
<b>Function Available</b>	Security status Alarms (Traps) System information Report
<b>Local signalling</b>	for P1 P2 power supplies 1 dual colour LED (green/yellow) for device status 1 dual colour LED (green/red) for memory key status 1 dual colour LED (green/yellow) for channel diagnostic 1 dual colour LED (green/yellow)
<b>Alarm output</b>	1 voltfree contact 1 A
<b>Alarm function</b>	Power supply fault Data link status Switch fault Temperature threshold Redundancy ring fault Incorrect configuration External memory removed
<b>Ethernet cabling system</b>	TF switches
<b>Width</b>	2.9 in (73 mm)
<b>Height</b>	5.6 in (142.8 mm)
<b>Depth</b>	4.6 in (117.6 mm)
<b>Net Weight</b>	1.10 lb(US) (0.50 kg)

## Environment

<b>Ambient Air Temperature for Operation</b>	32...140 °F (0...60 °C)
<b>Relative Humidity</b>	1...95 % non-condensing
<b>IP Degree of Protection</b>	IP30
<b>Directives</b>	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
<b>Standards</b>	UL 61010-2-201 EN/IEC 61131-2 EN/IEC 62368-1

<b>Product certifications</b>	CE UL RCM DNV Lloyd's BV ATEX
-------------------------------	---

## Ordering and shipping details

<b>Category</b>	US1PC1118121
<b>Discount Schedule</b>	PC11
<b>GTIN</b>	3606481463371
<b>Returnability</b>	Yes
<b>Country of origin</b>	DE

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	5.12 in (13.000 cm)
<b>Package 1 Width</b>	6.50 in (16.500 cm)
<b>Package 1 Length</b>	9.45 in (24.000 cm)
<b>Package 1 Weight</b>	25.326 oz (718.000 g)
<b>Unit Type of Package 2</b>	S04
<b>Number of Units in Package 2</b>	8
<b>Package 2 Height</b>	11.81 in (30.000 cm)
<b>Package 2 Width</b>	15.75 in (40.000 cm)
<b>Package 2 Length</b>	23.62 in (60.000 cm)
<b>Package 2 Weight</b>	14.163 lb(US) (6.424 kg)

## Contractual warranty

<b>Warranty</b>	18 months
-----------------	-----------

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[How we assess product sustainability >](#)



Transparency

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Pro-active compliance (Product out of EU RoHS legal scope)

China Rohs Regulation [China RoHS declaration](#)

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Circularity Profile [End of Life Information](#)

California Proposition 65 **WARNING:** This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Dimensions Drawings

Dimensions

---

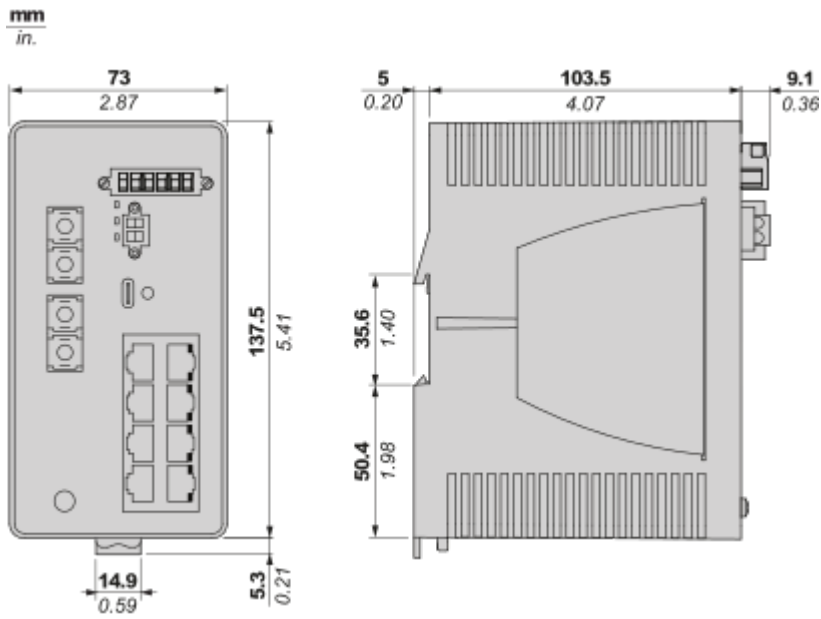


Image of product / Alternate images

Alternative

---



