



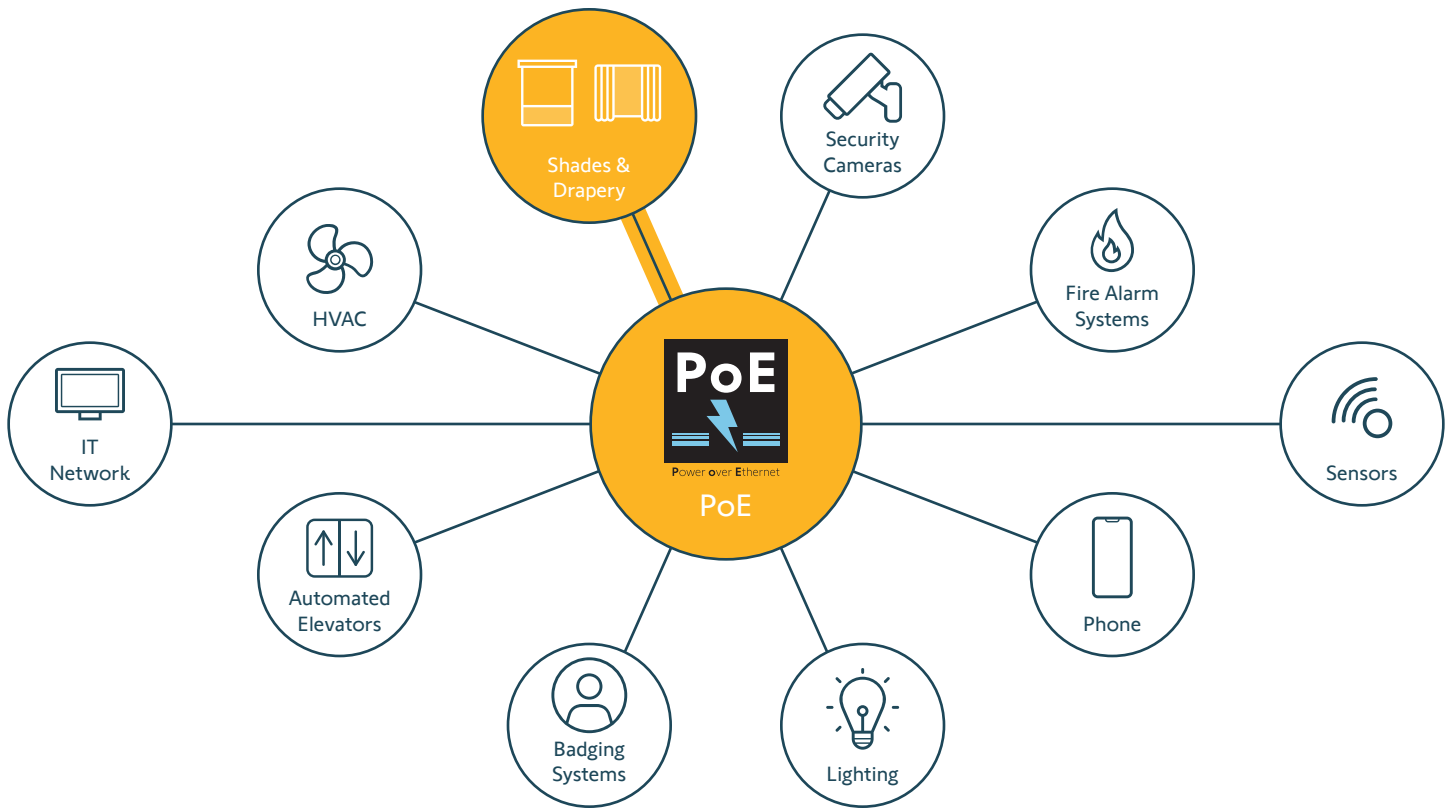
SOMFY POWER OVER ETHERNET (POE) TECHNOLOGY

Lower costs and improve efficiency with **PoE Shading**

Innovative Control of Motorized Window Treatments Using Power Over Ethernet



somfy[®]



What is **Power over Ethernet (PoE)**?

Power over Ethernet (PoE) distributes network signals and electrical power to transmit communication over standard low-voltage ethernet cabling to various endpoints, including shades, draperies, LED lighting, HVAC controls, cameras and other networked devices in new or existing projects.

Savings up to

46% SAVINGS PROFITS

on infrastructure cost and service for shading!

Details on back cover

What can **PoE** do for you?



Maintenance free operation of window treatments:

The Sonesse 30 PoE meets the IEEE 802.3 at standard and is directly powered by any 30W PoE switch that meets this standard. No charging or eventual replacement of batteries required.



Time and cost savings during installation:

PoE reduces the time and expense of having electrical power cabling installed. CAT-5e network cables do not require a qualified electrician to install them and can be located anywhere to provide more reliable communication over traditional radio solutions.



Simple Integration & hard wired communication:

Direct integration to your favorite third-party control system via Somfy Synergy™ API without the need of additional hardware.



Motors featuring embedded PoE Technology



Sonesse® 30 PoE
1241147



Coming in 2024
Sonesse® 40 PoE

Easy integration

- Seamless integration to match any interior decor
- Thin round head for a smooth transition into the shade and tube profile
- Smaller light gap to minimize light leakage
- Fits smaller diameter tubes (suitable for internal diameters of 31mm or more)
- Ideal for small, narrow windows to maximize viewable window area
- Interchangeable head color (black and grey) to match fabric, hardware style, and color



White
#9027132

(supplied with motor)



Optional Grey
#9027133



Optional Black
#9027134

Easy installation

- Single CAT-5e or higher ethernet cable carries power and data
- Ethernet network cabling that does not require a qualified electrician
- UL listed
- IEEE 802.3 at Type2 (30W) power requirement
- Low voltage power for safe and easy wiring
- Up to 328 feet from the PoE switch to the motor

Easy setting

- Connect directly to the motor via a web GUI (no physical setting tool required)
- Somfy Synergy™ API available for easy driver development
- Soft stop and soft start independently adjustable
- Adjustable speed, independently adjustable in each direction

Secure protocol









- Certificate + PIN code to secure TCP/TLS AES-128 encryption over UDP
- Somfy Synergy™ API
- CoAP
- Manufacturer Usage Description (MUD) file available for secure network configurations

Sonesse® 30 PoE



Sonesse® 40 PoE NEW for 2024



Technical Characteristics	Sonesse® 30 PoE	Sonesse® 40 PoE NEW for 2024
Torque	1.5 Nm	2 Nm 4 Nm 6 Nm
Sound Level*	≤ 47 dBA	≤ 47 dBA
Speed	10-28 rpm, adjustable	10-28 rpm, adjustable
Nominal Voltage	48V DC	48V DC
Control Technology	 	 
Certifications	 	 



Why use PoE for shading systems?

- Power over Ethernet (PoE) delivers data and power over CAT-5e or higher ethernet cable
- Reduces costs by eliminating the need for AC or DC power supplies
- Updated product firmware and software
- Ability to program up to 16 intermediate positions per motor
- Control groups of motors with a stop and align command
- Less requirements and dependence on electricians for installation
- Ethernet cable is less expensive than typical line voltage or specialized low-voltage cabling
- Great for installing products in remote locations

When to use PoE for shading systems?



New Construction:

- When it's convenient to install a low-voltage cabling network
- Streamline process of project installation coordinating with low-voltage network installer



Renovation:

- When a PoE system is already in place or going to be added
 - Simple to use ports of an existing or added network switch
- Easier to power motors using low-voltage cable over line-voltage

Power over Ethernet (PoE) Ready

The SDN PoE Gateway is ready for fast, easy connectivity using an RJ45 input, compatible with standard Cat-5e or Cat-6 UTP cables.



SDN Power over Ethernet (PoE) Gateway
1860326



SDN Compatibility

PoE Technology



PoE Touch Panel Room Controller
1870731 (black)
1870811 (white)



SDN Power over Ethernet (PoE) Gateway*
1860326



animeo® IP wall mounted keypad
1811288, 1811289
(also available in black and ivory)

SDN Motors



Sonesse® ULTRA 50 DC RS485
Large roller shade motor
1134022



Sonesse® 30 RS485
Small roller shade motor
1241144



Irismo™ 35 Mini DC
Drapery motor
1003003 or 1003004
Requires SDN Irismo 35 Mini DC Control
Enclosure Kit (with drapery cable) 1870282

*Standard motors operating in unison

Control up to four DC RS485 motors per SDN PoE Gateway

	Sonesse® ULTRA 50 DC RS485	Sonesse® 30 RS485	Irismo™ 35 Mini DC (w/RS485 Enclosure Kit)
Number of motors operating at a time	1	2	1
Group operation	Cascading individually	2 motors at a time	Not available: 1 motor per Gateway
Wattage per motor	36W	20W	48W

NOTES: Multiple motor types can be combined per gateway.
The POE Touch Panel Room Controller allows for grouping up to 20 Gateways.

Shading system cost savings are based on reduced line-voltage and low-voltage power panel installations by using direct gateway to motor connections over common low-voltage Cat5e cabling. Percentage savings are based on new construction building project in New York City with an overall footprint of 100,000 sq. ft. including 100 motorized shades. All costs and calculations are based on US Dollars and average construction costs.

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Make the move

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About Somfy®

For over 50 years, Somfy has been pioneering innovative motorization and automated solutions for window coverings and exterior shading products. With comfort, ease of use, security, and sustainability in mind, our seamless and connected solutions are designed to help people make the move to living spaces impactful for humans and with a reduced impact on nature.

A BRAND OF **SOMFY** GROUP

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