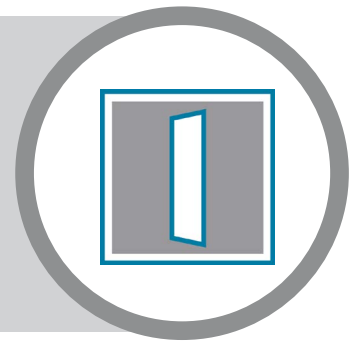


# Sateon Advance Single-Blade Controller

Part numbers: SAT-ADV-C-SNG-2D  
SAT-ADV-C-SNG-IO



Sateon Advance offers a flexible new approach to access control, with a range of hardware and software products.

The hardware is based on a modular architecture, and consists of intelligent controllers and snap-in Blades for either door control or separate I/O.



## Single-Blade Controller

The Single-Blade controller is ideal for locating close to a door or when space is limited. The device supports either one 2-Door Blade or one I/O Blade and can be powered via PoE or a separate power supply. The controller is housed in its own integrated enclosure.

## Controller Set-up

The Advance controllers have been designed alongside our Quick Start Application. The PC app brings controllers online and provides the firmware update process.

## 2-Door Blade & I/O Blade

The Single-Blade controller can be ordered with either a 2-Door Blade or an I/O Blade, which easily snaps into the controller unit, without additional fixings.

The 2-Door Blade provides a connection for two readers/two doors, as well as the connection of door accessories such as lock and sounders. The reader interface supports Wiegand, Clock and Data as well as RS-485, ensuring interoperability with a range of readers to suit any project.

The I/O Blade offers 8 inputs and 8 outputs, as well as a 12Vdc output for connected devices.

### Key Features

- IP and RS-485 connectivity
- PoE+ powered with option for external PSU
- Supports 1 x 2-Door Blade or I/O Blade
- On-board SQLite database retains data if power is lost
- Improved encryption
- Optical tamper
- Optional lithium-polymer battery

	Advance Single-Blade Controller	Advance 2-Door Blade	Advance I/O Blade
<b>Part Number</b>	SAT-ADV-C-SNG	SAT-ADV-BL-2D	SAT-ADV-BL-IO
<b>Dimensions</b>	With cover: 242x167x46mm	197x60x28mm	197x60x28mm
<b>Weight</b>	495g	140g	185g
<b>Humidity</b>	5-85±5% at 30±2 °C (32 to 120 °F)	5-85±5% at 30±2 °C (32 to 120 °F)	5-85±5% at 30±2 °C (32 to 120 °F)
<b>Operating Temperature</b>	0 to +49 °C (32 to 120 °F)	0 to +49 °C (32 to 120 °F)	0 to +49 °C (32 to 120 °F)
<b>Card Reader Supply, Power Limited</b>	N/A	12V 500mA, total (both ports)	N/A
<b>Power Supply Options</b>	PoE+, 12Vdc PSU	12/24Vdc PSU (for lock supply)	N/A
<b>Power Output Available</b>	N/A	N/A	12Vdc, 500mA
<b>Battery Back Up</b>	Lithium-polymer backup battery	N/A	N/A
<b>Lock Switching Capacity</b>	N/A	N/A	300mA, 30V max
<b>Lock Outputs</b>	N/A	Solid state, capable of 4 amps per lock with overload protection and current measurement	N/A
<b>Host Communications</b>	TCP/IP or RS-485	N/A	N/A
<b>Max. Credentials</b>	500,000	N/A	N/A
<b>Max. Supported Blades</b>	1	N/A	N/A
<b>Max. Doors</b>	2 (with 1 x 2-Door Blade)	2	N/A
<b>Max. Spare Inputs</b>	N/A	2 supervised inputs, 5V pull-up (2k2)	8 supervised inputs, 5V pull-up (2k2)
<b>Max. Spare Outputs</b>	N/A	2 outputs, opto-isolated 30V 300mA max	8 outputs, relays 30V 300mA max
<b>USB Connectivity?</b>	Yes	N/A	N/A
<b>Remote Diagnostics?</b>	Yes	Yes	Yes
<b>Tamper</b>	Integral optical tamper	Tamper detection on wiring, open circuit detection on lock circuit for fault and tamper recognition	Reader tamper supported with dedicated input
<b>Readers Supported?</b>	N/A	Wide range, inc. Wiegand, Clock and Data and encrypted RS-485	N/A
<b>Break-glass</b>	N/A	Included for system monitoring	N/A

## Sateon Advance Range

The Sateon Advance range is a complete access control offering, incorporating both software and hardware products.

Sateon Advance hardware is compatible with Sateon access control management software, which features Advance's Quick Start application to bring new controllers online rapidly.

The range also incorporates a selection of power options and enclosures.



SAT-ADV-C-SNG-2D	Single-Blade Controller with 2-Door Blade
SAT-ADV-C-SNG-IO	Single-Blade Controller with I/O Blade
SAT-ADV-C-MLT-2D	Multi-Blade Controller with 2-Door Blade
SAT-ADV-C-MLT-IO	Multi-Blade Controller with I/O Blade
SAT-ADV-BL-2D	2-Door Blade
SAT-ADV-BL-IO16	I/O Blade (8 IN / 8 OUT)
SAT-ADV-ENC-PSU	Sateon Advance Enclosure with 5A PSU

For more information about Sateon, visit the website or contact Technical Support:

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