

Sateon Advance Multi Controller System

Part numbers: SAT-ADV-C-MLT
SAT-ADV-BL-2D
SAT-ADV-BL-IO16



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.



Multi-Blade Controller

The Multi-Blade controller is suited to larger systems and is designed to make the most of available space. Each controller can support up to four Blades, enabling the connection of up to 8 doors/readers or a combination of door and I/O Blades.

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 Multi-Blade controller supports up to four 2-Door Blades and I/O Blades in any combination, 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 options for external PSU and enclosure
- Supports 4 x 2-Door Blades or I/O blades in any combination
- On-board SQLite database retains data if power is lost
- Improved encryption
- Optical tamper and wired tamper option
- Optional lead-acid back-up battery

	Advance Multi-Blade Controller	Advance 2-Door Blade	Advance I/O Blade
Part Number	SAT-ADV-C-MLT	SAT-ADV-BL-2D	SAT-ADV-BL-IO16
Dimensions	Base unit only: 205x148x38mm With blades: 205x197x65mm	197x60x28mm	197x60x28mm
Weight	285g	140g	185g
Humidity	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)
Operating Temperature	0 to +49 °C (32 to 120 °F)	0 to +49 °C (32 to 120 °F)	0 to +49 °C (32 to 120 °F)
Card Reader Supply, Power Limited	N/A	12V 500mA, total (both ports)	N/A
Power Input Options	PoE+, 12Vdc PSU	12/24Vdc PSU (for lock supply)	N/A
Power Output Available	N/A	N/A	12Vdc, 500mA
Battery Back Up	Lead-acid backup battery	N/A	N/A
Relay Limit	N/A	N/A	300mA, 30V max
Lock Outputs	N/A	Solid state, capable of 4 amps per lock with overload protection and current measurement	N/A
Host Communications	TCP/IP or RS-485.	N/A	N/A
Max. Credentials	500,000	N/A	N/A
Max. Supported Blades	Up to 4	N/A	N/A
Max. of Doors	8 (with 4 x 2-Door Blade)	2	N/A
Max. of Spare Inputs	N/A	2 supervised inputs, 5V pull-up (2k2)	8 supervised inputs, 5V pull-up (2k2)
Max. of Spare Outputs	N/A	2 outputs, opto-isolated 30V 300mA max	8 outputs, relays 30V 300mA max
USB Connectivity?	Yes	N/A	N/A
Remote Diagnostics?	Yes	Yes	Yes
Tamper	Integral optical tamper and wired tamper	Tamper detection on wiring, open circuit detection on lock circuit for fault and tamper recognition	Reader tamper supported with dedicated input
Readers Supported?	N/A	Wide range, inc. Wiegand, Clock and Data and encrypted RS-485	N/A
Break-glass	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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