DSS-100

Desk Scheduling Status Indicator

- *Compact indicator designed specifically for desk scheduling applications*
- *Integrates directly with various third-party scheduling partners via the XiO Cloud® provisioning and management service*
- *Setup via the Crestron Device Assistant mobile application over Bluetooth® communications*
- *Monitoring via the XiO Cloud service*
- *Integrated LEDs illuminate solid, flash, or breathe to indicate desk availability*
- *Supports custom scheduling placards with QR codes linking to the desk scheduling resource*
- *Single-wire USB power*
- *Wi-Fi® network connectivity*
- *Low-profile installation on the underside of a desk or similar mounting surface*

The DSS-100 desk scheduling indicator is designed to enhance and simplify desk scheduling across an enterprise. The DSS-100 installs on the underside of a desk or similar mounting surface, providing a clear indication of the desk availability via its integrated tricolor LEDs. Custom scheduling placards are generated and installed into the DSS-100, which include a unique QR code linking directly to the desk schedule and reservation functions. The DSS-100 also integrates seamlessly with a variety of popular third-party scheduling partners via the XiO Cloud® provisioning and management service.

NOTE: An active XiO Cloud account is required to commission the DSS-100 or to authorize a scheduling partner. A free XiO Cloud subscription (SW-XIOC) or paid XiO Cloud Premium subscription (SW-XIOC-PREMIUM-1YR-1-99, SW-XIOC-PREMIUM-1YR-100-499, and SW-XIOC-PREMIUM-1YR-500+) is not required. However, each DSS-100 claimed into an XiO Cloud account with an XiO Cloud Premium subscription will be included in the device count total. Visit the Licensing and Registration Hub to register for an XiO Cloud account with desk scheduling.

Third-Party Scheduling Partners

The DSS-100 supports various popular third-party scheduling partners, making it easy to integrate desks directly into the existing enterprise scheduling calendar with no programming required. New partners are made available via the XiO Cloud service. Setup is as simple as selecting the desired scheduling partner from XiO Cloud and then creating reservable desks for each DSS-100 within the partner calendar system.[1,2]

Crestron Device Assistant Setup

Device setup occurs entirely through the Crestron Device Assistant mobile application for Apple® iPhone® and Android™ OS devices over Bluetooth® communications. After a BLE connection has been established, the Crestron Device Assistant app claims the device into the XiO Cloud service and places it on the Wi-Fi® network in only a few simple steps.[3]

XiO Cloud Service

The DSS-100 works exclusively with the XiO Cloud service, which is an IoT (Internet of Things) based platform for remotely provisioning, monitoring, and managing Crestron devices across an enterprise or an entire client base. XiO Cloud is built on the Microsoft® Azure® software platform and utilizes Microsoft's industry leading Azure IoT Hub technology. XiO Cloud enables installers and IT managers to deploy and manage thousands of devices simultaneously. Unlike other virtual machine based cloud solutions, Azure services provide unlimited scalability to suit the ever growing needs of an enterprise. For more information, visit www.crestron.com/xiocloud.

NOTE: An XiO Cloud or XiO Cloud Premium subscription is required for provisioning and management services.

Integrated LEDs

The DSS-100 provides an integrated LED ring that gives visual indication of the desk availability as part of a complete enterprise scheduling solution. The tricolor LEDs can illuminate solidly, flash, or breathe to indicate the desk availability. The LED behavior is controlled by the scheduling partner.

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Single-Wire USB Power

Power is supplied to the DSS-100 by a single USB cable. A 6 ft (1.83 m) USB-A to USB-C® cable is included with the device that connects to a USB power source. Wire saddles and tie wraps are also included to neatly route the cable from the power source to the device.

Custom Scheduling Placards

Custom scheduling placards must be created for each reservable desk that is associated with a DSS-100. Each custom scheduling placard contains the name of the desk and a QR code that opens the schedule and reservation functions for that desk on a mobile device. Custom scheduling placards are generated within the scheduling partner account and can be printed locally or ordered via a partnership with the MOO® online printing service. A removable tray allows the placards to be easily installed into or removed from the DSS-100.[4]

Wi-Fi Connectivity

The DSS-100 connects to the network over Wi-Fi® communications via a wireless SSID to communicate with XiO Cloud.

- Support for 802.11b/g/n protocols at the 2.4 GHz band (only) affords wireless performance in many environments.[5]
- Wi-Fi connectivity supports up to 123 ft (37.5 m) of omnidirectional coverage indoors.

Low-Profile Installation

The DSS-100 can be mounted to the flat underside of a desk, table, or similar surface using the provided 3M™ Dual Lock™ fasteners. The front of the DSS-100 containing the placard extends out from under the desk. A compact design allows users to interact with the DSS-100 without interfering with any typical desk usage. If the desk underside is not suitable for installation, a friction pad is provided on the bottom of the device to support freestanding placement on the desk.

Specifications

Scheduling Support

Third-Party Partners	Includes support for various third-party scheduling partners via the XiO Cloud® service.[1,2]

Controls and Indicators

Pin Hole	(1) Recessed pin hole; Initiates factory restore, demo mode, diagnostic mode, and firmware upgrade via press-and-hold sequences
LED Ring	(1) Tricolor RGB LED ring; LEDs can illuminate solidly, flash, or breathe based on implementation by the third-party scheduling partner

Connectors

USB C	(1) USB Type-C® connector, female; USB 2.0 device port (power only)

Wireless Communications

Transceiver	IEEE 802.11b/g/n Wi-Fi® communications (2.4 2-way RF only), dynamic IP via DHCP, IPv4 only
Security	64 and 128-bit WPA2 PSK with TKIP and AES
Range	Up to 123 ft (37.5 m)[5]
Bluetooth® Communications	Bluetooth 4.2 (BLE); For connection to Crestron Device Assistant app for initial setup

Power

USB	3.5 W @ 5V USB power

Environmental

Temperature	41° to 104°F (5° to 40°C)
Humidity	10% to 95% RH (noncondensing)

Construction

Housing	PC/ABS, black textured
Mounting	Mounts to the underside of a desk using included 3M™ Dual-Lock™ fasteners or freestanding placement on desk surface

Dimensions

Height	1.68 in. (43 mm)
Width	3.00 in. (76 mm)
Depth	1.90 in. (48 mm)

Weight

2.1 oz (60 g)

Compliance

Regulatory Model: M202301001

FCC Part 15 Class B, IC Class B, CE, UL® Listed for US and Canada

Model

DSS-100
Desk Scheduling Status Indicator

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Available Accessories

For a list of available accessories, visit the DSS-100 product page.

Notes:

1. Refer to the DSS-100 Product Manual for a list of all supported scheduling partners.
2. Additional subscriptions and/or licenses may be required. Refer to each partner's website for details about the capabilities and requirements of its scheduling services. The DSS-100 supports only one partner at a time, which is selected using the XiO Cloud® service. Only the partners approved by Crestron are compatible with the DSS-100. The DSS-100 cannot be interfaced with a control system and cannot be custom programmed for any other functionality. A Wi-Fi® network connection is required.
3. The Crestron Device Assistant app requires login credentials of an XiO Cloud user with Global Admin permissions. For more information, refer to the XiO Cloud Service User Guide.
4. The workflow for generating custom scheduling placards varies by scheduling partner.
5. Wireless range subject to site-specific conditions.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or contact us for additional information by visiting www.crestron.com/contact/our-locations for your local contact.

The original language version of this document is U.S. English. All other languages are a translation of the original document.

The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed online at www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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3.00 in.
(76 mm)

1.68 in.
(43 mm)

0.88 in.
(22 mm)

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(48 mm)

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