TOGGLE ROOMS

USB 3.0/HDMI DEVICES TO 2 PCs SWITCHER

DEVICE CONNECTORS

OVERVIEW

4K BYOD/BYOM: 2PCs SWITCHER FOR USB 3.0/HDMI DEVICES

TOGGLE ROOMS connects to three USB 3.0 devices and one HDMI displays across two PC hosts, ensuring a pro-AV, unified communication system with a remarkable 4Kp60 resolution. You can seamlessly switch from a Room PC to a laptop host, ensuring a friendly and efficient meeting experience.

Switch 4 peripherals between 2 hosts:
Redefine collaboration with Bring Your Own Device (BYOD) and Bring Your Own Meeting (BYOM) support, offering the flexibility of a push button or control pad for various meeting scenarios.

AUTOMATIC/MANUAL HOST SWITCHING UP TO 4Kp60 :

- PC 1 (Laptop): USB-C (100W) or USB-B + HDMI
- PC 2 (Room PC): USB-B + HDM
- 4kp60 in 16:9 and 21:9 wide screen capable (HDMI)
- Compatible by design: Teams, Zoom, on Crestron, Logitech, Lenovo, Poly, MAXHUB CODECs.
- Controllable by RS-232, IP or 2x GPI (PC selection: BYOD/BYOM) or a table surface-mounted button for BYOM laptop selection
- Power charging to 100W on USB-C for the laptop
- Cost-effective solution that is reliable as well as simple to install and connect (no driver required)
- Designed and manufactured in Canada
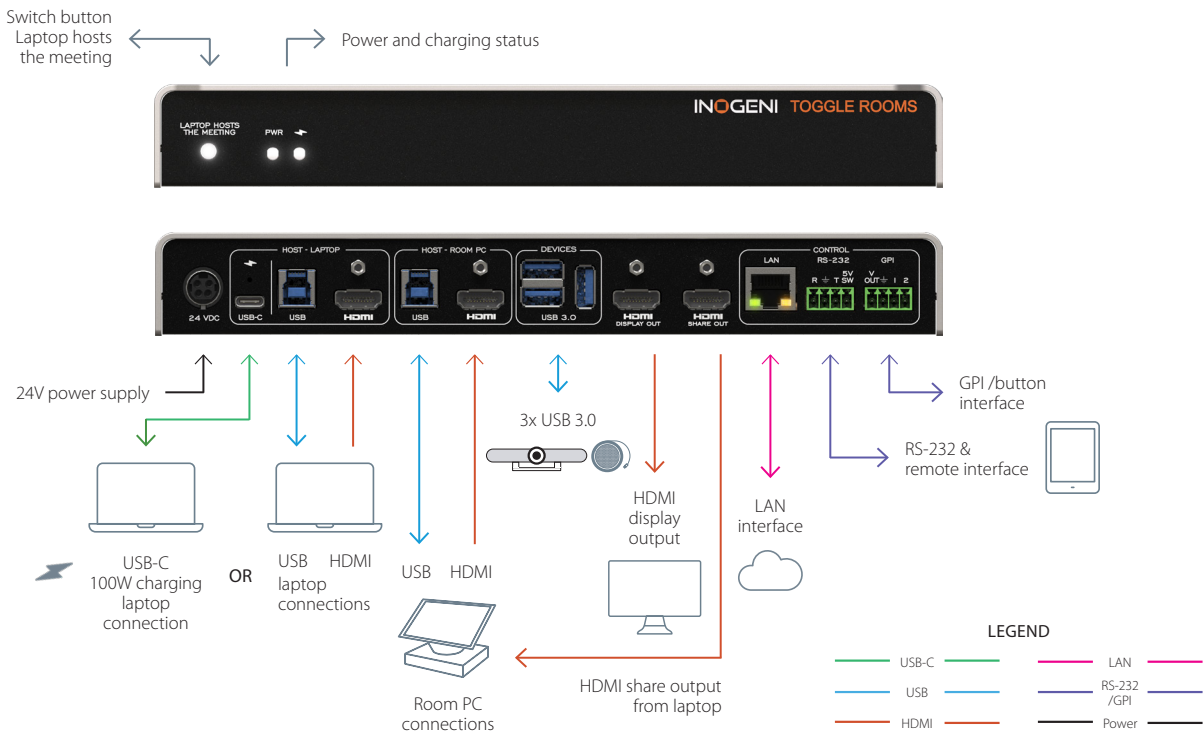- TAA-compliant

WHAT IS IN THE BOX

- 1 x TOGGLE ROOMS
- 1 x USB-C to USB-C cable – 6 ft.
- 1 x USB 3.0 cable (USB-A to USB-B) – 3 ft.
- 2 x terminal block 4-POS
- 2 x mounting brackets
- 4 x M2.5 mounting screws for brackets on product
- 4 x screws for Toggle Rooms table/wall mount
- 1 x 24V/160W PSU
- 1 x power supply: 85-264VAC 50/60Hz to 24V/6.67A DC
    - International adapters included in the box (USA/CA or EU/UK/AU/BIS)
- 1 x PSU mounting bracket
- 4 x screws for PSU table/wall mount
- 4 x rubber feet

HOW DOES IT WORK?

TOGGLE ROOMS seamlessly integrates into a Room PC environment, allowing users to connect peripherals and charge their laptops via versatile options, such as USB-C or USB-B and HDMI for older laptop models.
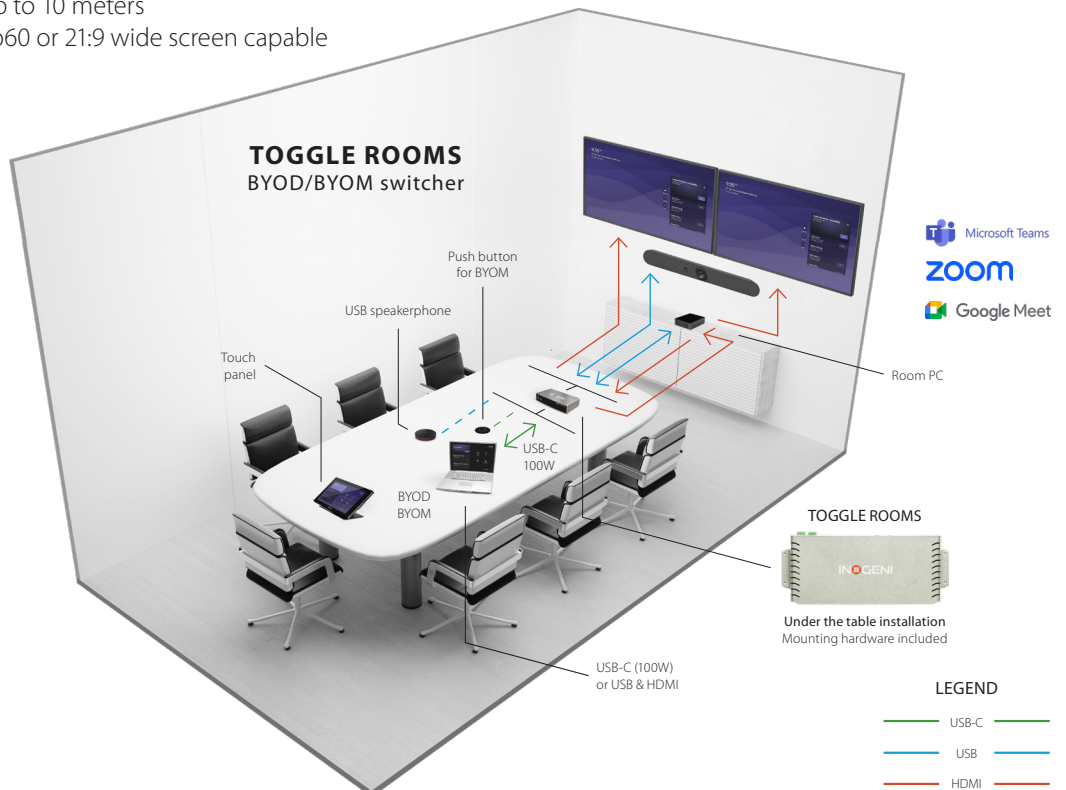
This flexibility extends across various settings, from huddle rooms to large boardrooms, classrooms, and auditoriums, making it an ideal solution for unified videoconferences.

INOGENI

FEATURED CONNECTORS

Switch button
Laptop hosts
the meeting

Power and charging status

LAPTOP HOSTS THE MEETING   PWR

INOGENI TOGGLE ROOMS

HOST - LAPTOP   HOST - ROOM PC   DEVICES   LAN   CONTROL
RS-232   GPI
USB-C   USB   HDMI   USB   HDMI   USB 3.0   HDMI DISPLAY OUT   HDMI SHARE OUT   R ⏚ T SW   5V OUT+   V OUT+   1 2
24 VDC

24V power supply

GPI /button interface

RS-232 & remote interface

3x USB 3.0

HDMI display output

LAN interface

USB-C 100W charging laptop connection

OR

USB   HDMI laptop connections

USB   HDMI

Room PC connections

HDMI share output from laptop

LEGEND

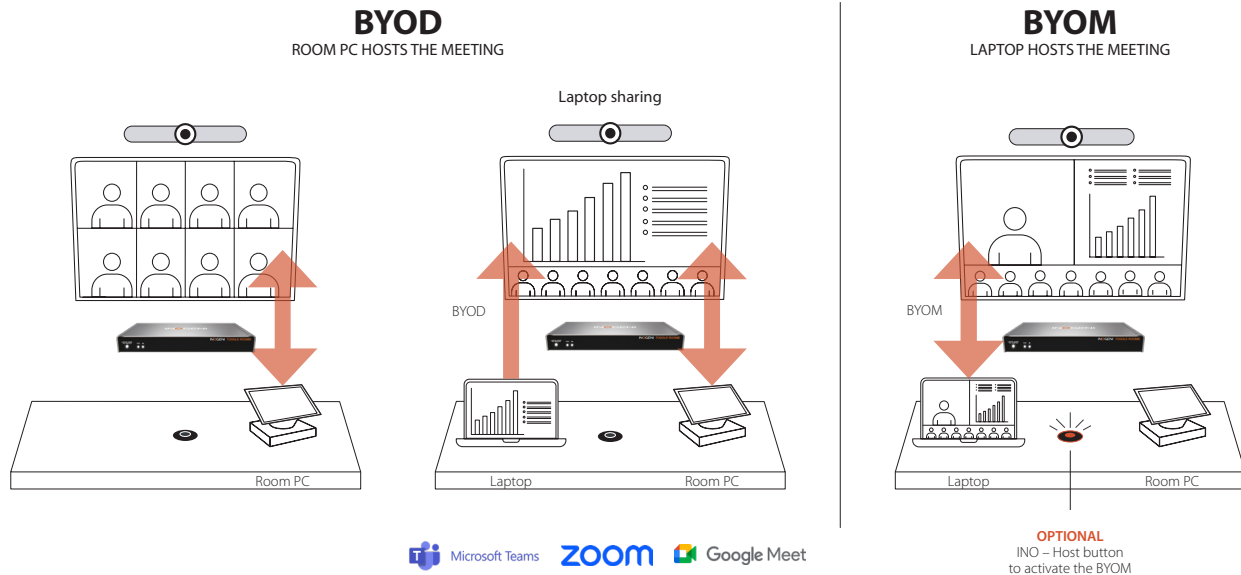|		
USB-C		LAN
USB		RS-232 /GPI
HDMI		Power

ONE CABLE SOLUTION TO TAKE CONTROL OF THE ROOM

- 2-meter USB-C 100W cable included
- USB-C solutions tested up to 10 meters
- 1 or 2 monitors up to 4Kp60 or 21:9 wide screen capable

TOGGLE ROOMS
BYOD/BYOM switcher

Push button for BYOM

USB speakerphone

Touch panel

BYOD BYOM

USB-C 100W

Room PC

Microsoft Teams
ZOOM
Google Meet

TOGGLE ROOMS

INOGENI

Under the table installation
Mounting hardware included

USB-C (100W) or USB & HDMI

LEGEND

USB-C	
USB	
HDMI	

INOGENI

DEVICE INTERFACES

3 application scenarios
SWITCH BYOD/BYOM with one cable for a Room PC and laptop

BYOD	BYOM
ROOM PC HOSTS THE MEETING	LAPTOP HOSTS THE MEETING

Laptop sharing

BYOD

BYOM

Room PC

Laptop   Room PC

Laptop   Room PC

Microsoft Teams   ZOOM   Google Meet

OPTIONAL
INO – Host button
to activate the BYOM

TECHNICAL SPECIFICATIONS

Device configuration via the INOGENI MAESTRO device controller

HOST - LAPTOP

1x USB-C connector	Supports USB-C DisplayPort Alternate Mode • DisplayPort up to 3840x2160p60 / 4096x2160p60 • USB 3.0 (USB 3.1 Gen 1 / 5 Gbps) • USB 2.0 (480 Mbps) • Charges up to 100W • USB-C cable locking option
1x USB connector	USB 3.0 Type-B
1x HDMI connector	Up to 3840x2160p60 / 4096x2160p60 Cable locking option

HOST - ROOM PC

1x USB connector	USB 3.0 Type-B
1x HDMI connector	Up to 3840x2160p60 / 4096x2160p60 Cable locking option

HDMI DISPLAY OUTPUT

Resolution	Up to 3840x2160p60 / 4096x2160p60 / 21:9 wide screen capable
Connector	HDMI with cable locking option

HDMI SHARE OUTPUT

Resolution	Up to 3840x2160p60 / 4096x2160p60 / 21:9 wide screen capable
Connector	HDMI with cable locking option

USB DEVICES

Connector	3 x USB 3.0 Type-A ports
Power	1.8A shared between downstream ports

VIDEO - HDMI

HDCP compliance	Compliant with HDCP2.3, HDCP2.2 and HDCP1.4
HDMI compliance	Compliant with HDMI2.0b, HDMI1.4 and DVI1.0
Sampling frequency	600MHz
Video scaling	Crosspoint switch supports video downscaling from 4K to 1080p
Chroma subsampling	YUV/RGB 4:4:4, 4:2:2
CEC	Ability to send CEC commands to connected HDMI display sink

INOGENI

TECHNICAL SPECIFICATIONS - CONT.

AUDIO - HDMI

Audio	Audio passthrough from input to output
Formats	LPCM, Dolby Digital and DTS, up to 192kHz

CONTROL

Control options	Front button – For laptop selection RS232 GPI LAN USB
IP interface	10/100Mbps Supports DHCP or static addressing IP control available through RESTAPI and Telnet connections
RS-232 interface	4-pos terminal block connector Baud rates: 9600 [default], 19200, 38400 and 115200 Data bits: 8 Stop bits: 1 Parity: None
GPI interface	4-POS terminal block connector • 2x Contact-closure control GPI: • Controlled by open-drain IO (short to ground) or driven IO • Supported voltage range: 0 to 12V max • Voltage threshold is 2.3V VOUT: • Option to power up our custom LED button • Logic-low level: 0 @ 0.5V • Logic-high level: 4.5 @ 5V

INFORMATION

UPC code	051497418694
Origin	Canada
Warranty	2 years

CERTIFICATIONS

Certifications device	FCC, CE, UKCA, RoHS, IEC62368, SoV, RCM
Certifications power supply	FCC, CE, UKCA, RoHS, IEC62368, RCM, CCC, CB, EAC, VI, UL
TAA-compliant	Yes

COMPATIBILITY

Operating system	NO driver installation necessary! Windows 7 and above (32/64-bit) macOS 10.10 and above Linux (kernel v2.6.38 and above)
Compatible videoconferencing systems	• Crestron - Flex Series • Crestron - Flex Advanced Series • Poly - Studio Room Kit with HP Mini Conferencing PC • MAXHUB - MAXHUB XCore Kit • Logitech - Tap with Rally • Logitech - Tap with MeetUp • Logitech - Rally Bar Tap room systems • Lenovo - ThinkSmart Hub Gen 2 Microsoft Teams Rooms • Lenovo - ThinkSmart Core + Controller • Lenovo - ThinkSmart Core & IP Controller Kit • Jabra - PanaCast 50 Room System

PHYSICAL DETAILS

Dimensions (W x L x H)	25.11 cm x 10.97 cm x 3.26 cm 9.89" x 4.32" x 1.28"
Power supply	160W (85-264VAC 50/60Hz to 24V/6.67A DC)
Weight	770 g (1.69 lb)
Package content	• 1 x TOGGLE ROOMS • 1 x USB-C to USB-C cable – 6 ft. • 1 x USB 3.0 cable (USB-A to USB-B) – 3 ft. • 2 x terminal block 4-POS • 2 x mounting brackets • 4 x M2.5 mounting screws for brackets on product • 4 x screws for Toggle Rooms table/wall mount • 1 x 24V/160W PSU • 1 x power supply: 85-264VAC 50/60Hz to 24V/6.67A DC • International adapters included in the box (USA/CA or EU/UK/AU/BIS) • 1 x PSU mounting bracket • 4 x screws for PSU table/wall mount • 4 x rubber feet
Operating temperature	0° to 45° C / 32° to 113° F
Storage temperature	-40° to 105° C / -40° to 221° F
Relative humidity	0% to 90% non-condensing
Mounting options	Ability to mount under the table or on a wall

inogeni.com