Avaya X360STK Installation Guide

The Avaya X360STK stacking module is used to connect C360 switches in a stack, via the Octaplane™ stacking fabric.

⚠ **CAUTION:**

> C360 switches and stacking modules contain components sensitive to electrostatic discharge. Touching the circuit boards unless instructed to do so may damage them.

⚠ **PRECAUCIÓN:**

> El switch C360 y sus módulos de ampliación contienen componentes sensibles a descargas electrostáticas. Tocar las tarjetas sin autorización del personal técnico puede dañarlas.

⚠ **CAUTION:**

> Do not leave the stacking slots open. Cover empty slots using the blanking plates supplied.

⚠ **PRECAUCIÓN:**

> No deje las aberturas de ampliación abiertas. Cubrir las aberturas vacias con las placas bloqueadoras proporcionadas con el equipo.

Following are the physical specifications for the X360STK:

Table 1: Avaya X360STK Physical Specifications

Dimensions	Length: 160mm, Width: 90mm, Height: 40mm
Weight	150gr

Installing the Stacking Module in the Avaya C360

To install the Stacking Module in the Avaya C360:

1. Remove the existing stacking module or blanking plate from the back of the C360.

2. Insert the stacking sub-module gently into the slot, ensuring that the PCB (printed circuit board) is aligned with the guide rails.

3. Press the module in firmly until it is completely inserted into the C360.

⚠ **CAUTION:**

> Ensure that the screws on the module are properly aligned with the holes in the chassis before tightening them.

4. Tighten the two screws on the side panel of the stacking module by turning the screws.

Cabling

The following cables are connected to the stacking modules:

➥ Short Octaplane cable (X330SC) – ivory-colored, used to connect adjacent switches (Catalog No. CB0223) or switches separated by a BUPS unit. This cable is 30 cm long.

➥ Long/Extra Long Octaplane cable (X330LC/X330L-LC) – ivory-colored, used to connect switches from two different physical stacks, or switches separated by a BUPS unit (Catalog No. CB0225/CB0270). The long cable is 2 m long; the extra-long cable is 8 m long.

➥ Redundant/Long Redundant Octaplane cable (X330RC/X330L-RC) – black, used to connect the top and bottom switches of a stack (Catalog No. CB0222/CB0269). The long cable is 2 m long; the extra-long cable is 8 m long

🖐 **Tip:**

> You may use the same cables with P330 and P330-ML switches.

⚠ **CAUTION:**

> Do not cross connect two switches with two Octaplane (light-colored) cables. If you wish to cross-connect for redundancy, use one light-colored Octaplane cable and one black redundancy cable. The black cable will then serve as a redundant connection.

⚠ **CAUTION:**

> To prevent EMI, cover any unused ports on the stacking modules using the grey plugs provided. Insert the plug labelled "left" into the lower port; insert the plug labelled "right" into the upper port. See Figure 2.

⚠ **CAUTION:**

> Ensure that the screws on the cable are properly aligned with the holes in the stacking module before tightening them. Do not use excessive force when tightening the screws.

X360STK Front Panel

Figure 1 shows the front panel of the X360STK stacking module.
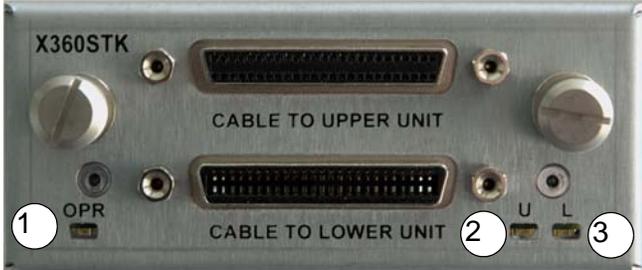
Figure 1: X360STK Front Panel

Figure notes:

1. **OPR LED**   2. **"U" LED**   3. **"L" LED**

Figure 2: Plug for Unused Stacking Ports

Table 2: Avaya X360STK LED Descriptions

LED Name	Description	LED Status
OPR	Operating Status	ON – X360STK is correctly inserted in the switch
		OFF – X360STK is incorrectly inserted or not inserted in the switch
		1 of 2

Table 2: Avaya X360STK LED Descriptions (continued)

LED Name	Description	LED Status
U	Upper	ON – there is a physical connection from the C360 switch to the switch above it or to the X330RC cable if the switch is at the top of the stack
		OFF – No connection
L	Lower	ON – there is a physical connection from the C360 switch to the switch below it or to the X330RC cable if the switch is at the bottom of the stack
		OFF – No connection
		2 of 2

If the LEDs on both sides of the cable connection are OFF, ensure that the Cable connectors are correctly inserted and that the X360STK is correctly and completely inserted in its slot.

NVRAM Initialization

If you wish to perform a hardware NVRAM initialization, then perform the following steps:

> ⚠ **CAUTION:**
>
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> ⚠ **PRECAUCIÓN:**
>
> El switch C360 y sus módulos de ampliación contienen componentes sensibles a descargas electrostáticas. Tocar las tarjetas sin autorización del personal técnico puede dañarlas.

1. Remove the bridge from the jumper labelled "SPARE JUMPER" on the PCB.

2. Bridge the NVRAM INIT jumper before inserting the X360STK module.

   - See for the location of the jumpers.

Figure 3: Location of the NVRAM INIT Jumpers
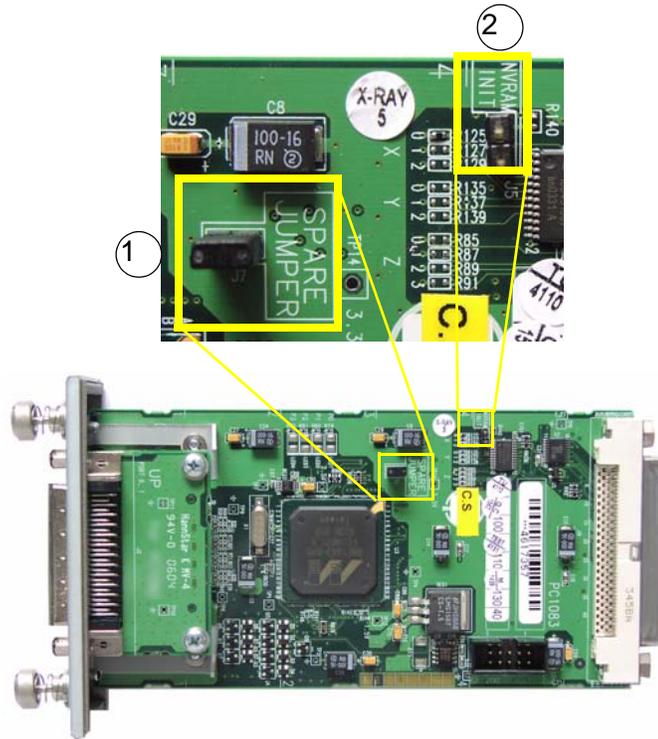
Figure notes:

1. **SPARE JUMPER**   2. **NVRAM INIT Jumper**

3. Insert the X360STK module into the C360 switch where you wish to perform the NVRAM initialization. Refer to Installing the Stacking Module in the Avaya C360 for further information.

   📝 **Tip:**

   Refer to the *Avaya C360 Reference Guide* for further information on the NVRAM initialization

4. The NVRAM initialization process starts. When you receive a CLI message on to remove the stacking module, you can remove the X360STK from the switch.

5. Remove the bridge from the NVRAM INIT jumper and return it to the SPARE JUMPER.

   ⚠ **Important:**

   You must remove the bridge from the NVRAM INIT jumper before you can use the X360STK as a stacking module.

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