S-Series Option Modules and Compatibility

S-Series Fabric and I/O Module Compatibility

Environment	• S-Series • Option Modules • Series 1 • Series 2 • Type 1 • Type 2

Procedure	Option Modules can be broken down into mainly Series 1 and Series 2 option Modules. They can also be further broken down into TYPE 1 or TYPE 2 depending on which option slots they are compatible with.

Series 1 Option Modules

Series 1 Modules are compatible with S130/S150/S155 modules ONLY
Option module series is identified by the 1st valid number in the part SOK**1**208-0204 (the #1 after the 'SOK' indicates that it is Series 1)
Series 1 are the older legacy modules

- SOK1208-0102 S-Series Option Module (Type1) - 2 10GBASE-X Ethernet ports via SFP+ (Compatible with Type1 & Type2 option slots)
- SOK1208-0104 S-Series Option Module (Type1) - 4 10GBASE-X Ethernet ports via SFP+ (Compatible with Type1 & Type2 option slots)
- SOK1208-0204 S-Series Option Module (Type2) - 4 10GBASE-X Ethernet ports via SFP+ (Compatible with Type2 option slots)
- SOG1201-0112 S-Series Option Module (Type1) - 12 1000BASE-X ports via SFP (Compatible with Type1 & Type2 option slots)
- SOT1206-0112 S-Series Option Module (Type1) – 12 10/100/1000BASE-T ports via RJ45 with PoE (802.3at) if in POE capable Module (Compatible with Type1 & Type2 option slots).

Series 2 Option Modules

Series 2 option modules are compatible with all classes of base module (S130/S140/S150/S155/S180)
- SOK2208-0102 S-Series Option Module (Type1) - 2 Ports 10GBASE-X via SFP+ (Compatible with Type1 & Type2 option slots)
- SOK2208-0104 S-Series Option Module (Type1) - 4 Ports 10GBASE-X via SFP+ (Compatible with Type1 & Type2 option slots)
- SOK2208-0204 S-Series Option Module (Type2) - 4 Ports 10GBASE-X via SFP+ (Compatible with Type2 option slots)
- SOG2201-0112 S-Series Option Module (Type1) - 12 Ports 1000BASE-X via SFP (Compatible with Type1 & Type2 option slots)
- SOGK2218-0212 S-Series Option Module (Type2) - 10 Ports 1000BASE-X via SFP and 2 ports 10GBASE-X via SFP+ (Compatible with Type2 option slots)
- SOT2206-0112 S-Series Option Module (Type1) - 12 Ports 10/100/1000BASE-T via RJ45 with PoE (802.3at) (Compatible with Type1 & Type2 option slots)
- SOTK2268-0212 S-Series Option Module (Type2) - 10 Ports 10/100/1000BASE-T via RJ45 with PoE and 2 ports 10GBASE-X via SFP+ (Compatible with Type2 option slots)

<u>Series 3 Option Modules</u>

Series 3 Option Modules are compatible with S140/S180 right side option module slot only
SOV3208-0202 S-Series Option Module (Type?) – 2 Ports 10GBASE-X via SPF+ for hardware VSB only (compatible with S140/S180 Type2 right side option module slot only)

<u>Expansion Modules</u>

SOV3008-0404 S-Series VSB Expansion Module – 4 Ports 10GBASE-X via SFP+ for hardware VSB only (Compatible with S180 I/O Modules)

<u>Explaining Type 1 and Type 2 Option Slots and compatibility</u>

Option module TYPE is identified by the 1st number after the dash (in the part SOK1208-**02**04 (the #02 after the - indicates that it is Type 2)
- Type 1 - The option module has one 20Gb connector for connecting to an S-Series module's motherboard.
- Type 2 - The option module has two 20Gb connectors for connecting to an S-Series module's motherboard.

Compatibility can be generally described as follows:

Type 1 Options Modules are compatible with all classes of base module (S130/S140/S150/S155/S180)
Type 2 Option Modules are compatible with all except S130 Class I/O modules

Note: The VSB option module (SOV3208-0202) is compatible only with S140 Class I/O modules and the S180 Class I/O fabric modules.

You should always check the release notes to ensure the minimum firmware support level for the module you are using

S-Series Fabric and I/O Module Compatibility

What is the compatibility of the S-Series Fabric and I/O Modules?

Environment	
	• S-Series
	• All firmware
	• S140, S180, S130, S150, S155

I/O Compatibility:
- S140 class is I/O only. S180 class has I/O and I/O modules.
- The S140 requires the use of S180 fabrics when used in the S4/S6/S8 fabric based chassis.
- The S140 class may not be used in chassis with S130/S150/S155 fabrics)
- It is permissible to mix S140/S180 and S130/S150 I/O modules in the same chassis when using S180 class fabrics.

Fabric Compatibility:
- Fabric classes can't be mixed, mixing S130/S150/S155 fabrics with S180 class fabrics is prohibited.
- There is no such thing as a S140 class fabric, only S180 class.