



AT-SP10T and AT-SP10TM 10GBase SFP+ Copper Port Transceivers Hardware Release Note

This hardware release note explains how to prevent AT-SP10T and AT-SP10TM 10Gbase SFP+ copper port transceivers, shown in Figure 1, from overheating in Ethernet switches.

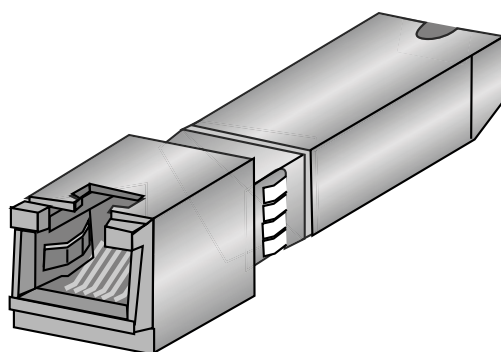


Figure 1. AT-SP10T and AT-SP10TM 10Gbase SFP+ Copper Port Transceivers

AT-SP10T and AT-SP10TM copper port transceivers operate at higher temperatures than SFP+ fiber optic transceivers and so are more at risk of overheating. To protect them from overheating, Allied Telesis recommends leaving adjacent SFP+ ports empty. Refer to Figure 2:

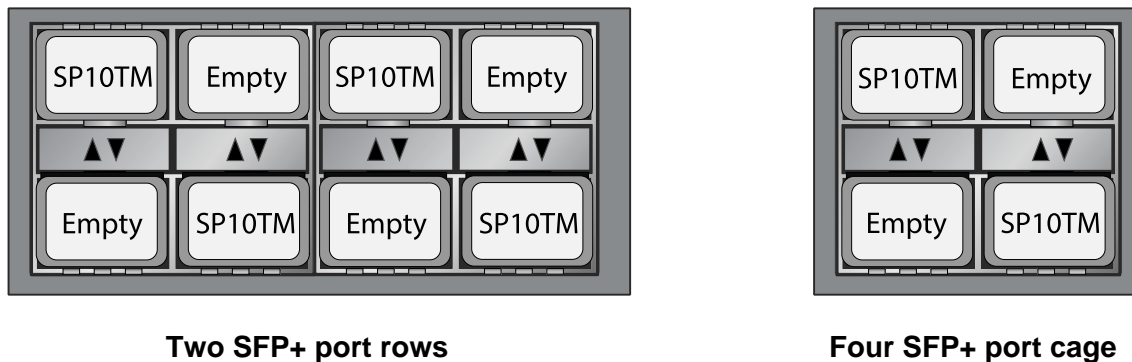


Figure 2. Empty Adjacent SFP+ Ports in Ethernet Switches

This recommendation is not necessary for SFP+ ports that are in a single line and are spaced apart. Refer to Figure 3:

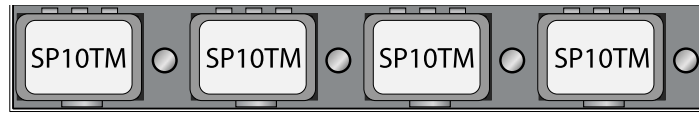


Figure 3. Single Row of Spaced SFP+ Ports

These Allied Telesis Ethernet switches support AT-SP10T and AT-SP10TM transceivers in their SFP+ ports:

- x510 Series
- x510DP Series
- x510L Series
- x530 Series
- x530DP Series
- x530L Series
- x550 Series
- x930 Series
- x950 Series
- XS900MX Series
- GS980MX Series
- SBx8100 Series
- SBx908 GEN2 Switch

Refer to the product data sheets at www.alliedtelesis.com for current lists of supported transceivers.

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