

# S4148T-ON/S4148F-ON Switch

## System LED Definition

Feature	Detailed Description	Comment
System LED	<ul style="list-style-type: none"> <li>• <b>Solid green</b> – all function are normal.</li> <li>• <b>Flashing Green</b> – Booting. Flashing Green with 2 sec on and 1 sec off</li> <li>• <b>Solid Amber</b> – Major Fault. Displays summary of all major faults within the system; the faults are traffic affecting.</li> <li>• <b>Flashing Amber</b> – Major Fault. Flashing Amber with 2 sec on and 1 sec off</li> </ul> <p>Displays summary of all major faults within the system; the faults are not traffic affecting.</p>	At front
Power LED	<ul style="list-style-type: none"> <li>• <b>Solid Green</b> – Normal.</li> <li>• <b>Solid Amber</b> – Post in progress.</li> <li>• <b>Flashing Amber</b> – Flashing Amber with 2sec on and 1 sec off. Power supply fault.</li> <li>• <b>Off</b> – No power.</li> </ul>	At front
FAN LED	<ul style="list-style-type: none"> <li>• <b>Solid Green</b> – all function are normal.</li> <li>• <b>Flashing Amber</b> – One of Fan or Fan tray fault. Flashing Amber with 2 sec on and 1 sec off.</li> </ul>	At front
Beacon LED	Not in use.	At front
Stacking LED	Not in use.	At front
7-DIGIT Stack LED	Not in use.	At front

## Port LED Definition

### 10GBT port LEDs

Feature	Detailed Description
10GBT LED	<ul style="list-style-type: none"> <li>• <b>Off</b> – No Link</li> <li>• <b>Solid Green</b> – Link on 10G speed</li> <li>• <b>Flashing Green</b>(~30ms) – Port Activity operating at 10G speed.</li> <li>• <b>Solid Amber</b> – Port Linked operating at lower speed.</li> <li>• <b>Flashing Amber</b> (~30ms)–Port Activity operating at lower speed.</li> <li>• <b>Solid Blue</b> –Port Beacon/Locater</li> </ul>

### QSFP28 port LEDs

#### 1) 1st LED:

Feature	Detailed Description
Link/ACT LED	<ul style="list-style-type: none"> <li>• <b>Solid Green</b> = Port linked operating at max port speed, i.e. running 100G on QSFP28 port</li> <li>• <b>Flash Green</b> (~30ms) = Port Activity operating at max port speed, i.e. running 100G on QSFP28 port</li> <li>• <b>Solid Amber</b> = Port linked operating at lower speed, i.e. running 40G on QSFP28 port.</li> <li>• <b>Flashing Amber</b> (~30ms) =Port Activity operating at lower speed, i.e. running 40G on QSFP28 port.</li> <li>• <b>Off</b> = No link</li> <li>• <b>Flashing Amber</b> with 1 sec on and 1 sec off – Port Beacon</li> </ul>

2) All four LEDs shall be used when 4x25G or 10G mode is running on QSFP28 port.

Feature	Detailed Description
Link/ACT LED	<ul style="list-style-type: none"> <li>• <b>Solid Green</b> = 4x25G Link on QSFP28 port</li> <li>• <b>Solid Amber</b> = 4x10G Link on QSFP28 port</li> <li>• <b>Flashing</b> (~30ms) Green = 4x25G Activity on QSFP28 port</li> <li>• <b>Flashing</b> (~30ms) Amber = 4x10G Activity on QSFP28 port</li> <li>• <b>Off</b> = No link</li> <li>• <b>Flashing Amber</b> with 1 sec on and 1 sec off – Port Beacon</li> </ul>

3) 1st and 3rd LEDs shall be used when 2x50G mode is running on QSFP28 port.

Feature	Detailed Description
Link/ACT LED	<ul style="list-style-type: none"> <li>• <b>Solid Amber</b> = 2x50G Link on QSFP28 port</li> <li>• <b>Flashing</b> (~30ms) Amber = 2x50G Activity on QSFP28 port</li> <li>• <b>Off</b> = No link</li> <li>• <b>Flashing Amber</b> with 1 sec on and 1 sec off – Port Beacon</li> </ul>

#### QSFP+ port LEDs

1) 1st LED:

Feature	Detailed Description
Link/ACT LED	<ul style="list-style-type: none"> <li>• <b>Solid Green</b> = Port linked operating at 40G.</li> <li>• <b>Flashing Green</b> (~30ms) =Port Activity operating at 40G</li> <li>• <b>Off</b> = No link</li> <li>• <b>Flashing Amber</b> with 1 sec on and 1 sec off – Port Beacon</li> </ul>

2) All four LEDs shall be used when 4x10G or 1G mode is running on QSFP+ port.

Feature	Detailed Description
Link/ACT LED	<ul style="list-style-type: none"> <li>• <b>Solid Green</b> = 4x10G Link on QSFP+ port</li> <li>• <b>Solid Amber</b> = 4x1G Link on QSFP+ port</li> <li>• <b>Flashing</b> (~30ms) Green = 4x10G Activity on QSFP+ port</li> <li>• <b>Flashing</b> (~30ms) Amber = 4x1G Activity on QSFP+ port</li> <li>• <b>Off</b> = No link</li> <li>• <b>Flashing Amber</b> with 1 sec on and 1 sec off – Port Beacon</li> </ul>

#### Management Ethernet port LEDs

Feature	Detailed Description
Link LED	<ul style="list-style-type: none"> <li>• <b>Off</b> – No Link</li> <li>• <b>Solid Green</b> – Port linked operating at 1G speed.</li> <li>• <b>Solid Amber</b> – Port linked operating at 10/100M speed.</li> </ul>
Activity	<ul style="list-style-type: none"> <li>• <b>Off</b> – No Activity</li> <li>• <b>Flashing Green</b> – Port Activity.</li> </ul>