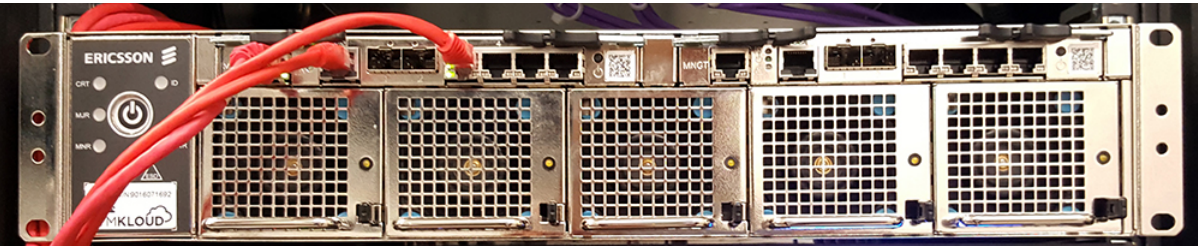


# Quick Notes

Oct 2017

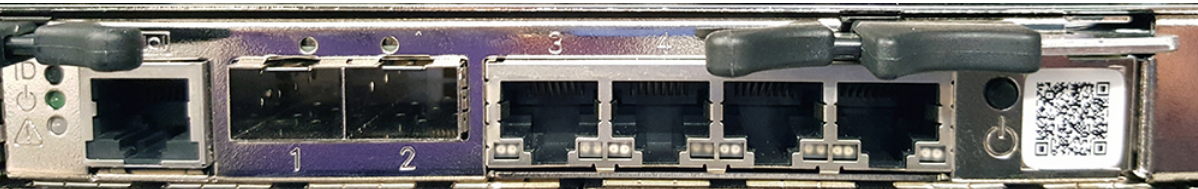
The T1 Chassis has a lot of functionality not normally found in any traditional products, or in the Gx line of servers so far (G5, G6, G7, G8 etc) (with the exception of one of the UHD servers from 2016). The T1 is a chassis that comprises a number of blades, and two switches, where most of the ports are internal to the Chassis.

## Chassis Front View

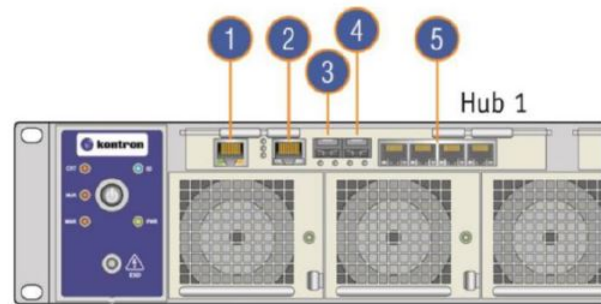


The front of the T1 Chassis has five removable fans (hot swap), the power button and access to the two switches. The unit does automatically power up when the power cables are inserted. The power cables are the type that have a notch in them, so standard IEC cables will not fit.

## T1 Switches



The two switches at the top of the T1 Chassis allow access to the switch management, and to the Blade Servers. The T1 Switches each have 27 ports, but we can only access 7 of them from the front panel (strictly one of them is a serial port, so 26 IP Ports). The Eighth port is an RS232 port that has the physical format of an RJ-45 Port.



I/O	Description
1	Management 1GbE RJ-45 port (Switch/ShMC 1) (Marked "MNGT" on the Hub 1 faceplate)
2	Console RJ-45 port (Switch/ShMC 1)
3	10GbE SFP+ stacking port (Switch/ShMC 1) (Marked "1" on the Hub 1 faceplate)
4	10GbE SFP+ uplink port (Switch/ShMC 1) (Marked "2" on the Hub 1 faceplate)
5	Quad 1GbE RJ-45 ports (Switch/ShMC 1) (Marked "3", "4", "5" and "6" on the Hub 1 faceplate)

The initial switch configuration is done via the Console port (2) which is an RS-232 port (same style as the Cisco console port) running a 115200.

Port (1) allows access (once an IP Address has been assigned via the console port). The two switches are linked internally, and so from a single Management port you can access the Web UI of both Switches.

When you connect to the Switch Web UI, navigate to Monitor→Ports→State to see the following:

Switch 1

Configuration

Monitor

System

Green Ethernet

Ports

- State
- Traffic Overview
- QoS Statistics
- QCL Status
- Detailed Statistics

DHCP

Security

LACP

Loop Protection

Spanning Tree

MVR

IPMC

LLDP

PoE

- MAC Table

VLANs

Stack

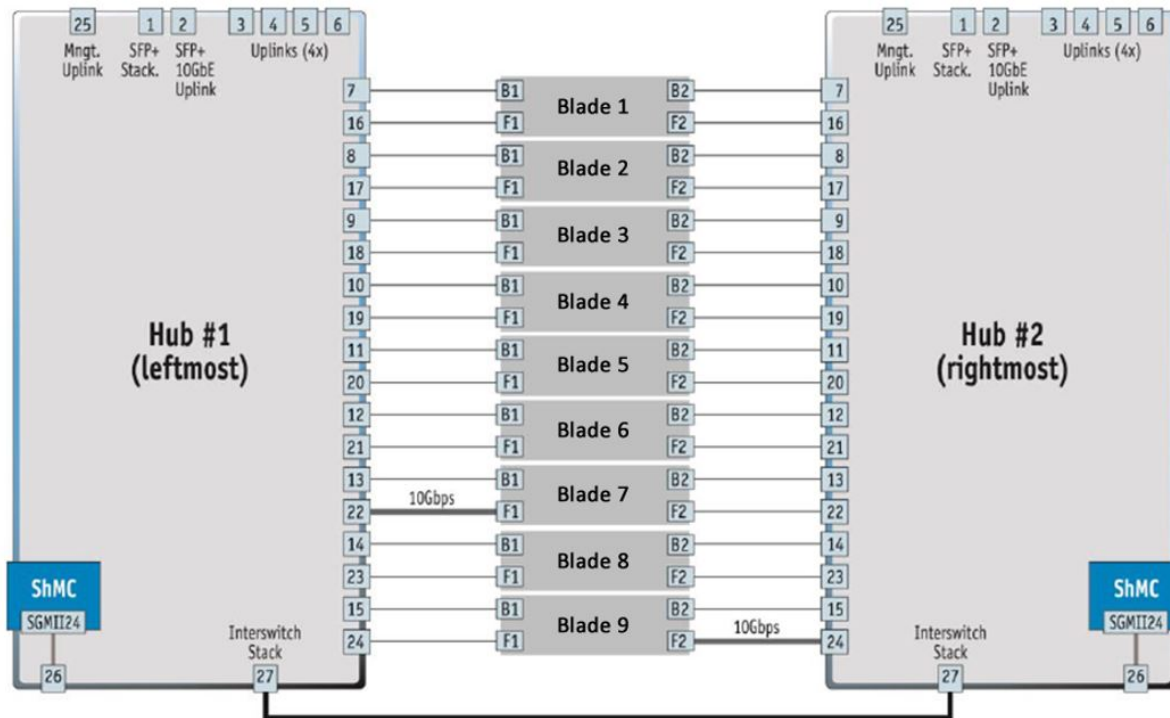
Diagnostics

Maintenance

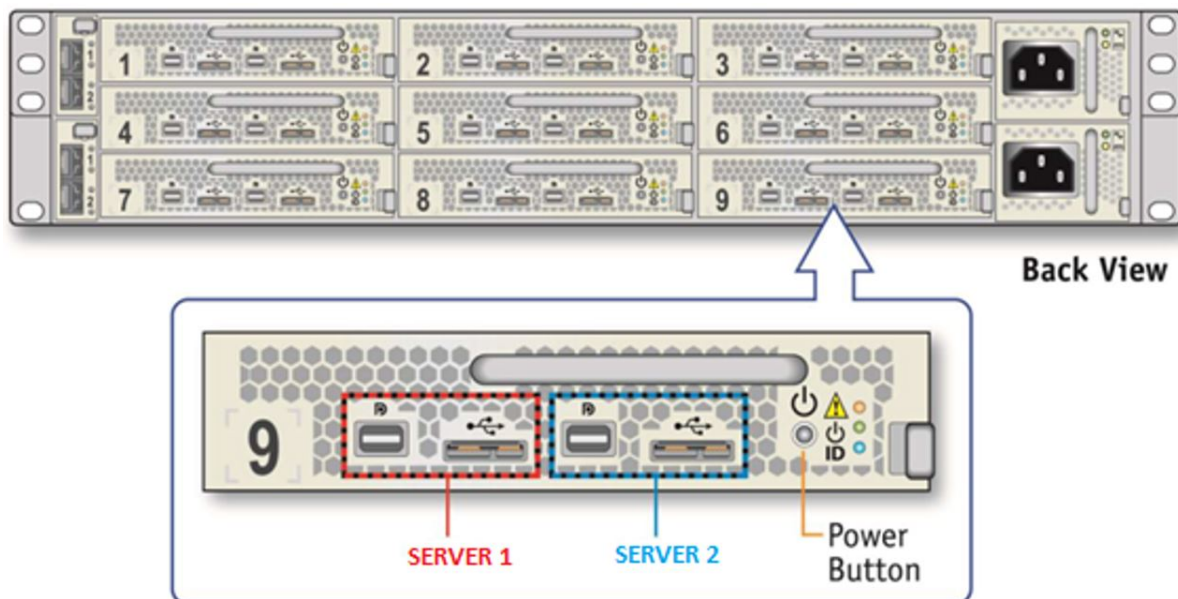
Switch 1			
Port	Link	Speed	
		Current	Configured
2		Down	10Gbps FDX
3		1Gfdx	Auto
4		Down	Auto
5		Down	Auto
6		Down	Auto
7		1Gfdx Fiber	1Gbps FDX
8		1Gfdx Fiber	1Gbps FDX
9		1Gfdx Fiber	1Gbps FDX
10		Down	1Gbps FDX
11		Down	1Gbps FDX
12		Down	1Gbps FDX
13		Down	1Gbps FDX
14		Down	1Gbps FDX
15		Down	1Gbps FDX
16		1Gfdx Fiber	1Gbps FDX
17		1Gfdx Fiber	1Gbps FDX
18		1Gfdx Fiber	1Gbps FDX
19		Down	1Gbps FDX
20		Down	1Gbps FDX
21		Down	1Gbps FDX
22		Down	1Gbps FDX
23		Down	1Gbps FDX
24		Down	1Gbps FDX
25		100fdx	Auto
26		1Gfdx Fiber	Auto

Switch 2			
Port	Link	Speed	
		Current	Configured
2		Down	10Gbps FDX
3		Down	Auto
4		Down	Auto
5		Down	Auto
6		Down	Auto
7		1Gfdx Fiber	1Gbps FDX
8		1Gfdx Fiber	1Gbps FDX
9		1Gfdx Fiber	1Gbps FDX
10		Down	1Gbps FDX
11		Down	1Gbps FDX
12		Down	1Gbps FDX
13		Down	1Gbps FDX
14		Down	1Gbps FDX
15		Down	1Gbps FDX
16		1Gfdx Fiber	1Gbps FDX
17		1Gfdx Fiber	1Gbps FDX
18		1Gfdx Fiber	1Gbps FDX
19		Down	1Gbps FDX
20		Down	1Gbps FDX
21		Down	1Gbps FDX
22		Down	1Gbps FDX
23		Down	1Gbps FDX
24		Down	1Gbps FDX
25		Down	Auto
26		1Gfdx Fiber	Auto

To see which internal port and external port is connected, and to where, refer to the following diagram.



On the Rear of the T1 chassis we can see the blades and Servers (each Blade has two Servers) to ensure you are connecting to the correct one, please refer to the diagram below:



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Last update: 2023/03/09 22:35

