



Monitoring the Supervisor in the Cisco cBR Chassis

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Monitoring the Supervisor 160G in the Cisco cBR Chassis Using LEDs

Table 1: Verifying the LEDs on the Supervisor Card

LED	Status	Description
PWR STAT	Off	Supervisor Card is not powered up.
	Green	Supervisor Card is powered up.
	Yellow	Supervisor Card has a power fault - at least one voltage rail exceeded its voltage threshold limit.
	Blinking green at a 2 seconds rate	Supervisor Card has a power fault - less than the minimum number of fan modules with no fault condition detected at power-on.
	Blinking yellow at a 2 seconds rate	Supervisor Card has a power fault - less than the minimum number of power modules with no fault condition detected at power-on.
	Blinking between green and yellow at a 2 seconds rate	Supervisor Card has a power fault - the Supervisor PIC is not detected at power-on.
	Blinking yellow at a 1/4 second rate	Supervisor Card has a power fault - either the Supervisor PIC, SUP-DC, or SUP-MB did not respond with a PGOOD signal within 3 seconds after power-on.
	Blinking green at a 1/4 second rate	Software on the other Supervisor Card has turned off power on this Supervisor Card.
	Blinking between green and yellow at a 1/4 seconds rate	Secure Boot authentication has failed and Supervisor Card is powered down.
RP STAT	Off	RP has not booted.
	Blinking green	Software is loading.
	Green	RP is operational.
	Yellow	RP has detected a fault.

LED	Status	Description
RP ACT	Off	RP is not active.
	Green	RP is active.
FP STAT	Off	FP has not booted.
	Green	FP is operational.
	Yellow	FP has detected a fault.
FP ACT	Off	FP is not active.
	Green	FP is active.
INSI ACT	Off	iNSI is not enabled.
	Green	iNSI is enabled.
ALRM	Off	No alarm condition is detected.
	Yellow	Alarm condition is detected.
RPLC	Off	Supervisor Card does not need to be replaced.
	White	Supervisor Card needs to be replaced.

Table 2: Verifying the LEDs on the Supervisor PIC

LED	Status	Description
PIC_STAT	Off	The Supervisor PIC is not powered up.
	Green	The Supervisor PIC is functioning normally.
	Yellow	The Supervisor PIC has a fault.
INSI_ACT	Off	iNSI module is not enabled.
	Green	iNSI module is enabled.
REPLACE	Off	The Supervisor PIC does not need to be replaced.
	Green	The Supervisor PIC needs to be replaced.

LED	Status	Description
SFP+	Off	The SFP+ module is not powered up.
	Yellow	The SFP+ module is powered up and the link is down.
	Green	The link is up with no active traffic.
	Blinking green	The link is up with active traffic.
DTI Normal	Off	DTI is not in normal mode.
	Green	DTI is in normal mode.
	Blinking green	DTI is in normal mode as standby.
DTI Fast	Off	DTI is not in fast mode.
	Yellow	DTI is in fast mode.
NME Lnk	Off	The Gigabit Ethernet link is down.
	Green	The Gigabit Ethernet link is up.
NME Act	Off	The Gigabit Ethernet link is down.
	Blinking yellow	The Gigabit Ethernet link is up with active traffic.
SSD	Off	There is no SSD access.
	Green	SSD read/write is in progress.
CM/DTP Lnk	—	Reserved for future use.
CM/DTP Act	—	Reserved for future use.

Monitoring the Supervisor 250G in the Cisco cBR Chassis Using LEDs

Table 3: Verifying the LEDs on the Supervisor Card

LED	Status	Description
PWR STAT	Off	Supervisor Card is not powered up.
	Green	Supervisor Card is powered up.
	Yellow	Supervisor Card has a power fault - at least one voltage rail exceeded its voltage threshold limit.
	Blinking green at a 2 seconds rate	Supervisor Card has a power fault - less than the minimum number of fan modules with no fault condition detected at power-on.
	Blinking yellow at a 2 seconds rate	Supervisor Card has a power fault - less than the minimum number of power modules with no fault condition detected at power-on.
	Blinking between green and yellow at a 2 seconds rate	Supervisor Card has a power fault - the Supervisor PIC is not detected at power-on.
	Blinking yellow at a 1/4 second rate	Supervisor Card has a power fault - either the Supervisor PIC, SUP-DC, or SUP-MB did not respond with a PGOOD signal within 3 seconds after power-on.
	Blinking green at a 1/4 second rate	Software on the other Supervisor Card has turned off power on this Supervisor Card.
	Blinking between green and yellow at a 1/4 seconds rate	Secure Boot authentication has failed and Supervisor Card is powered down.
RP STAT	Off	RP has not booted.
	Blinking green	Software is loading.
	Green	RP is operational.
	Yellow	RP has detected a fault.

LED	Status	Description
RP ACT	Off	RP is not active.
	Green	RP is active.
FP STAT	Off	FP has not booted.
	Green	FP is operational.
	Yellow	FP has detected a fault.
FP ACT	Off	FP is not active.
	Green	FP is active.
INSI ACT	Off	iNSI is not enabled.
	Green	iNSI is enabled.
ALRM	Off	No alarm condition is detected.
	Yellow	Alarm condition is detected.
RPLC	Off	Supervisor Card does not need to be replaced.
	White	Supervisor Card needs to be replaced.

Table 4: Verifying the LEDs on the Supervisor PIC

LED	Status	Description
PIC_STAT	Off	The Supervisor PIC is not powered up.
	Green	The Supervisor PIC is functioning normally.
	Yellow	The Supervisor PIC has a fault.
INSI_ACT	Off	iNSI module is not enabled.
	Green	iNSI module is enabled.
REPLACE	Off	The Supervisor PIC does not need to be replaced.
	Green	The Supervisor PIC needs to be replaced.

LED	Status	Description
100G 0-1	Off	The 100G backhaul port is not powered up or it is not in 100G mode.
	Yellow	The 100G backhaul port is powered up and the link is down.
	Green	The link is up with no active traffic.
	Blinking green	The link is up with active traffic.
10G 0-7	Off	The 10G backhaul port is not powered up or it is not in 10G mode.
	Yellow	The 10G backhaul port is powered up and the link is down.
	Green	The link is up with no active traffic.
	Blinking green	The link is up with active traffic.
DTI Normal	Off	DTI is not in normal mode.
	Green	DTI is in normal mode.
	Blinking green	DTI is in normal mode as standby.
DTI Fast	Off	DTI is not in fast mode.
	Yellow	DTI is in fast mode.
NME Lnk	Off	The Gigabit Ethernet link is down.
	Green	The Gigabit Ethernet link is up.
NME Act	Off	The Gigabit Ethernet link is down.
	Blinking yellow	The Gigabit Ethernet link is up with active traffic.
CM/DTP Lnk	—	Reserved for future use.
CM/DTP Act	—	Reserved for future use.

