

LEDs

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RSP LEDs

Table 1: RSP LEDs

LED	Color/State	Description
Status (STAT)	Off	No Power (SW has no control)
	Amber	RSP is turned OFF. Active, GNSS, SYNC, ATTN - all OFF
	Blinking	RSP is booting up
	Green	RSP is successfully booted and Status OK
Active (ACT)	Green	RSP module is in ACTIVE/Master mode.
	Yellow	RSP module is in STANDBY mode.
	OFF	RSP is OFF
Management port (MGMT)	GREEN	1 GE link is up
	GREEN Blinking	1 GE data transfer in progress
	ORANGE	10 or 100 m Ethernet link is up
	ORANGE Blinking	10 or 100m Ethernet data transfer is in progress
	OFF	Link down

LED	Color/State	Description
Sync status (SYNC)	Green	Time core is synchronized to an external source including IEEE 1588.
	Yellow	Free run
	Amber	Free Run or holdover - Time core is in free run or holdover mode.
	OFF	RSP is OFF
ATN	Blue Blink	To indicate that the RSP requires attention
	OFF	RSP is OFF
GNSS	Green	GNSS is locked and good
	Amber	GNSS failed
	OFF	RSP is OFF

MPA LEDs

Table 2: MPA LEDs

LED	Color/State	Description
Stat	OFF	Main power feed failure
	Red	MPA Power failure
	Blinking red	Alarm major or critical
	Blinking Amber	Alarm minor
	Amber	Card unrecognized
	Blinking Green	FPD upgrade event
	Green	MPA Powered and Operational
ATN	Blinking Blue	To indicate that the MPA requires attention
	OFF	MPA is OFF

Fan tray LEDs

Note A major alarm condition indicates the failure of a single fan in the fan tray; a critical alarm indicates the failure of multiple fans. In the event that a single fan fails, the router software adjusts the fan speed to prevent excessive heat within the chassis.

Table 3: Primary Fan Tray LED Details

LED	Color/State	Description
Status (TEMP)	Off	Disabled/power down
	Amber	Over temperature
	Green	OK
Fan (FAN)	Green	Fan rotation in range
	Amber	Fan fault
	Red	Two or more fan faults
Minor (MIN)	Off	No minor alarm
	Amber	Minor alarm
Major (MAJ)	Off	No major alarm
	Red	Major Alarm
Critical (CRIT)	Off	No critical alarm
	Red	Critical alarm (defaults to ON upon RSP reset)

Table 4: Secondary Fan Tray LED Details

LED Color	Fan Fail Status
Green	All fans working fine
Amber	Single fan failure
Red	Two or more fans have failed

Power entry modules LEDs

The table below summarizes the PEM LEDs for DC power supplies.

Table 5: Power Supply LEDs

LED	Color/State	Description
Input OK	Off	No Input Voltage
	Amber	Input voltage out of range
	Green	Input voltage within acceptable operating range
Output Fail	Off	Disabled/Forced Shut down/No input power
	Red	Power supply fault (internal failure such as over temperature)
	Green	Operational
	Blinking Red	Output ORING FET Failed