



OpenScape Business V1

LED Status on UC Mainboards
OCCM/OCCMR/OCCL

Version 1.0

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Board status LEDs on OCCM, OCCMR and OCCL

The new mainboards OCCM, OCCMR and OCCL provide their current status or activity information by means of 2 LEDs (similar to HiPath3000 V9 hardware).

Green LED	Red LED	Description
off	on	Default after power on (typically <1 second)
flashing 250/250	flashing 250/2500	SDHC card missing!
on	off	UBOOT running (incl. FPGA and DSP FW download; LED status remains unchanged until UBOOT ends)
on	Blinking 1Hz	UBOOT: FW update procedure running (MCU FW on OCCM/OCCMR/OCCL) <i>System should not be powered down!</i> Automatic restart is initiated after completion. (this procedure only occurs if an update is available)
off	on	UBOOT: Critical error occurred. (For example SDHC Card write protection is on). Linux boot not possible.
off	off	UBOOT completed: Linux switches off the LEDs somewhere after entry from UBOOT
on	off	Linux startup continued
on	on	System startup running (after Linux startup was completed)
on	Blinking 1Hz	SW Update via USB stick during startup (this procedure only occurs if an USB stick with SW updates is detected)
on	flashing 100/100	USB stick was unmounted in Linux and shall be unplugged while the LED is flashing: - System with OCCx but without OCAB: approximately 10 seconds only! - System with OCCx and OCAB: several minutes! Afterwards a reset is initiated automatically. (this procedure only occurs if an USB stick with SW updates is detected)
flashing 3x100/500	on	Feature Process startup procedure running
flashing 3x100/500	off	LAN Device Handler startup procedure running
blinking 1...0.x Hz	off	Normal operating mode (1Hz); at rising system load the blinking frequency goes down proportionally (1Hz at low load, down to 0.xHz at high load))
blinking 1...0.x Hz	blinking 1...0.x Hz	<u>Only relevant in an OCC + OCAB system and the OCC is in normal operating mode:</u> I36015: No IPv4 or IPv6 access to the OCAB (the red led goes off, if OCAB is accessible via IPv4 or IPv6)
blinking blinking	on off	<i>If the the push button is pressed during normal operation:</i> - first feedback: LED on - after 5 seconds: LED off

blinking	on	- after 10 seconds: LED on <i>The corresponding procedure (restart/shutdown/reload) will be started immediately after releasing the button. The green LED stops blinking</i>
off	off	System shutdown completed, the system can be disconnected from power supply

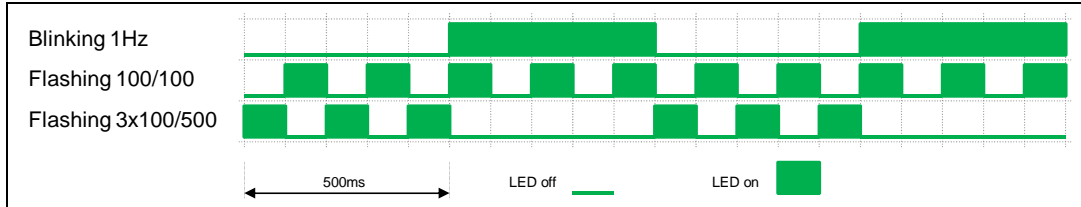


Figure 1 - LED blinking / flashing sequences

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