



DENSITE-CPU-ETH2 Release Notes

VERSION: 212

Release date: 2013-06-17

iControl compatibility: 4.42 and more

iControl Solo compatibility: 4.42 and more

RCP-200 compatibility: Not Compatible

Custom software compatibility: NA

Hardware incompatibility: This firmware applies to all existing hardware assemblies.

ENHANCEMENTS & NEW FEATURES

Ref#	Description
17161	Log activation per card Debug logging can now be enable card by card.
17162	Controller now accepts 32 connections The DENSITE-CPU-ETH2 now accepts up to 32 connections on its Ethernet port.
17163	Thumbnail streamed to all connections The DENSITE-CPU-ETH2 now can stream thumbnails to all its Ethernet connections.
26184	Ethernet connections listed on web page There is now a web page in the Status section that displays the list of connected device on the frame.
27479	Possible to delete restore point using the web page It's now possible to delete a saved restore point for card using the Restore Points web page in the Tools section.
35643	Allow possibility for cards to save/load they restore point automatically It now possible for a card to save/load its own restores point. This feature is only available on specific cards.



37839	Raw data (thumbnails) and unsolicited message filtering Device connected on the frame can now filter the raw data and unsolicited message then want to receive. In the case of raw data the connected device can filter base on raw data type and slot. In the case of unsolicited message the connected device can filter base on the slot.
23980	Increased communication speed between the controller and the cards

BUGFIXES

Bug#	Description
24081	Error message or incomprehensible message at the end of the upgrade At the end of the DENSITE-CPU-ETH2 upgrade a web page showing the result of the upgrade should be displayed but instead the user can see an error message because the web page is not accessible or worst a page full of garbage. In the first case this is because the web server was shut down for the reboot before the page could be served and in the second case the web page that should have been displayed was replaced during the upgrade by another file and it's this other file that is displayed. In both case this doesn't affect the upgrade. To know if the upgrade was successful the user can wait about 30 seconds and attempt to reconnect to the DENSITE-CPU-ETH2 web page. Once connected go back to the upgrade page and look at the version of the firmware installed. This error will be gone at the next upgrade from 211 to 2xx.
38005	Ethernet port does not start 3% of time After a power up of the frame or after re-slotting the controller in the frame the Ethernet port does not work 3% of the time.
23812	Extra data in restore point of less than 1024 bytes Restore point of less than 1024 bytes where filled with zeros.
24283	Very high memory usage when cards flood controller with messages



	<p>The DENSITE-CPU-ETH2 was running out of memory when one or multiple card where sending multiples unsolicited messages per seconds.</p> <p>The result was a dead controller. Only way to recuperate was to re-slot the controller.</p>
24983	<p>Card stuck in initialization</p> <p>Sometimes a card could be stuck in a state where it was waiting for a specific message from the controller and would not let the controller initialize it.</p>
28470	<p>Link Redundancy Option: Active-Backup: Ethernet not working at boot-up when only one Ethernet cable is connected</p> <p>At boot-up the network driver was not checking the state of the network interface.</p>
34485	<p>High CPU usage and crash when cards flood the controller with messages.</p> <p>The DENSITE-CPU-ETH2 was running at a very high cpu usage (> 90%) and after a while it was crashing when one or multiple cards where sending multiples unsolicited messages per seconds.</p> <p>The result was a reboot of the controller.</p>
36544	<p>NTP drift</p> <p>The time was drifting even if NTP was activated.</p>
38009	<p>Fixed security vulnerabilities</p> <p>Security vulnerabilities where fixed. The FTP server was removed. The telnet server was replaced by ssh.</p>

KNOWN BUGS & LIMITATIONS

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29876	<p>Changing DENSITE-CPU-ETH2 time cause the web server to crash</p> <p>When the time is changed on the controller, the web server start using 99% of the cpu and after a couple of minute it crashes.</p> <p>Workaround:</p> <p>After changing the time stop and restart the web server using the controller front panel menu.</p>

VERSION: 210

Release date: [2012-09-20](#)

Hardware incompatibility: [This firmware applies ONLY to the Densité 3 FR1 frame](#)

ENHANCEMENTS & NEW FEATURES

Ref#	Description
0001	<p>Support of the new Densité 3 FR1 frame</p> <p>This is the first version of the CPU_ETH2 that supports the Densité 3 FR1 frame.</p>



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KNOWN BUGS & LIMITATIONS

Bug#	Description