



SPRACE

OpenIPMC

PICMG REQUIREMENTS CHECK BY POLARIS

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OpenIPMC Improvements

- Polaris tests on March 25th: “Cannot find Hot Swap sensor”
 - Possible causes (fixed): wrong identifications (Device IDs, Entity Instance, IPMB-0 address)
- Device ID information
 - Hard-coded info moved to a global struct filled by the user
- Improvements on the FRU Info inventory
 - Code revision and simplifications. The memory allocation for the inventory areas now are done by creator function, since it knows the right size to be allocated.
 - Product Info Area was also implemented.
- Write FRU Data command
 - The command returns write-protected offset completion if attempt to write.

OpenIPMC-HW Improvements

- Ethernet
 - Set MAC address in the code (not IOC file): Use the STM32 chip serial number.
- LwIP
 - Function to set IP address in run-time (not in IOC file).
- Telnet server
 - Adapting Bruno's project: Need to externalize Transmit/Receive interface and remove direct control over UART.

OpenIPMC-HW manufacturing

- PCB production ordered in 26/March from Circuibrás
 - Shipping delayed. Scheduled to be sent tomorrow (April 14th).
- Quoting PCB assembly (20 boards)
 - VH Eletrônicos (Valinhos): R\$2600 SEM COMPONENTES
 - Standard América (Stolden, in Campinas): R\$16200
 - Neoplexus (Campinas): R\$33400
 - Waiting for TM&K and CADService
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OpenIPMC-HW manufacturing

- Components (para 10 placas)
 - Grantech R\$ 9.848,02
 - Chipceter R\$ 12.323,99
 - Neoplexus: R\$ 9000 **ORDERED** (April 7th)
- Resistors and Capacitors
 - Available locally (no need to import)