



SPRACE

OpenIPMC

PICMG DEVELOPMENTS AND PRODUCTION

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OpenIPMC-HW Improvements

- Telnet server
 - Command filter
 - Basic negotiation to enable “remote echo” and “character mode”.
- Command Line interface
 - Allow dedicated operations over the hardware via UART and TELNET
- Tests on Polaris
 - Improvements ready for next round of tests. Waiting for Mark/Giacomo availability

OpenIPMC-HW assembling

- PCB arrived
 - We already have means to assemble some boards.
- Components
 - Neoplexus seems to get delayed
- Resistors and Capacitors
 - Available locally (no need to import)
 - Ordered for 20 boards (Newport, Sta Ifigênia): R\$543,60
 - Still missing 4 components. To be ordered from Mamute (Sta Ifigênia)

OpenIPMC-HW manufacturers (20 PCBs)

- Stolden (STDAmerica): R\$16.000
- Neoplexus: R\$33.000
- VH: R\$2.600 (they gave up supplying components)
- Cromatek: processing since 22 March
- TM&K: Waiting. Asked on April 13
- ICSSEL: Technically good. Asked on April 22
- Infinity, Tecnomon: don't provide components for such small production. Asked for quote on April 22.

Monday 26/04/21 DPS, E.Hazen's talk

OpenIPMC



Much progress on OpenIPMC

- ▶ Working (with some issues) on Pulsar, Apollo, Serenity
 - ▶ Running for over a week on Apollo in shelf
 - ▶ Demonstrated IPMC firmware reload via JTAG in shelf
- ▶ Progress on passing Polaris tests
- ▶ Boards manufactured at Karlsruhe, Boston and (soon) SPRACE
- ▶ Internal review planned for May
- ▶ Discussions underway to plan for long-term support
- ▶ Google Doc with requirements attached to agenda (overdue for updating this week!)



Conclusion: Tracker is leaning towards OpenIPMC

Egroups

- To those involved, please subscribe to these egroups

cms-dps-HW-and-Infra-FW

cms-tracker-phase2-dps

- <https://e-groups.cern.ch/>