CERN IPMC: News

On behalf of the CERN xTCA/IPMC Team
Support

- Support team:
  Julian Mendez, Markus Joos, Stefan Haas, Ralf Spiwoks (all part time)

- Support issues:

  1. Discourse, https://cern-ipmc-forum.web.cern.ch:
     Check/read existing topics.
     If you cannot find anything on your issue,
     create a new topic.

  2. Alternatively, send email to epesebe-xtca-support@cern.ch:
     The email will also create a new topic in Discourse.

  3. CERN has a support contract with PigeonPoint Systems (PPS):
     We can escalate issues to PPS, if we cannot solve them ourselves.
IPMC:

- **Current availability:**
  - IPMC Version V3 (two UARTs): ~50
  - IPMC Version V4 (three UARTs): ~40

- **New production launched in November 2021:**
  - Due to the difficulty of obtaining components, the new production of 500 IPMC cards will not be available before the end of 2022.

- **Purchasing procedure:**
  - Send an email to epesebe-ipmc-purchase@cern.ch, containing type and version of IPMCs and budget code (1 IPMC = 200 CHF).
  - Please refrain from hoarding IPMCs, if you do not have an immediate use for them, in order to give everyone a fair chance to get some in 2022.
IPMC Tester

IPMC Tester:
- For desk-top testing
  (this is how we test the IPMC cards)
- For in-shelf tests
- As a development kit

• Current availability:
  - CERN has eleven IPMC Testers.
  - You can buy one for 1500 CHF (we do not have the Raspberry Pis!)
  - Four IPMC Testers were sold - we would like to hear your feedback!

• New production to be launched:
  - DIMM connector wears out: certified for only 25 mating cycles, practically seen to work for at least ~100 cycles.
  - Build ten more IPMC Testers; they will become available in spring 2023 due to lead time of the components.
  - Plan to run full-crate tests: stress tests of IPMC software and ShelfManager, investigate system aspects.
Questions?

Contact: epesebe-xtca-support@cern.ch