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.
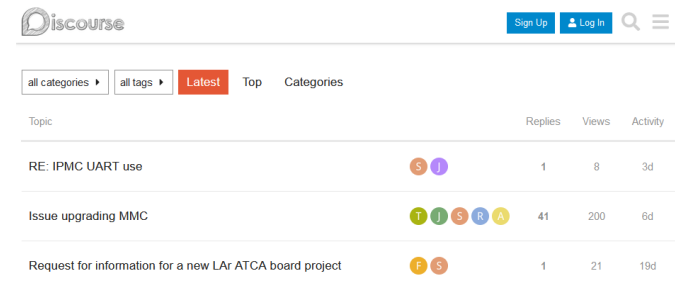   **If you cannot find anything on your issue,**
        create a new topic.

  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.

Hardware

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](mailto:epesebe-xtca-support@cern.ch)