

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.

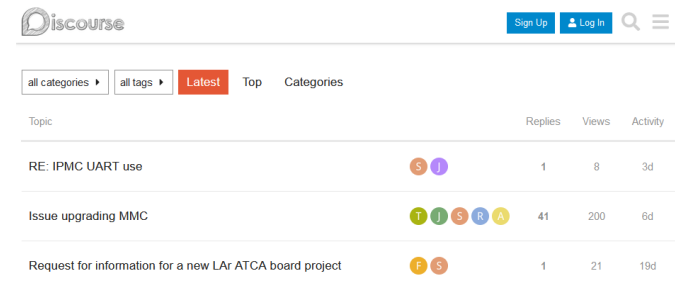
If you cannot find anything on your issue,
create a new topic.

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.



The screenshot shows the Discourse forum interface. At the top, there is a navigation bar with the Discourse logo, 'Sign Up', 'Log In', and a search icon. Below the navigation bar, there are filters for 'all categories', 'all tags', 'Latest', 'Top', and 'Categories'. The main content area displays a table of topics with columns for 'Topic', 'Replies', 'Views', and 'Activity'.

| Topic | Replies | Views | Activity |
|--|---------|-------|----------|
| RE: IPMC UART use | 1 | 8 | 3d |
| Issue upgrading MMC | 41 | 200 | 6d |
| Request for information for a new LAr ATCA board project | 1 | 21 | 19d |

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