

## FAQ

### 1. What is the IPA & its role?

IPA i.e. Indian Profibus-Profinet Association is a marketing organization which has a goal to, during its activities, organize a marketplace for its members. This marketplace is a location where suppliers and purchasing companies can meet each other.

The association is established and has as goal to promote the PROFIBUS & PROFINET standard in India.

### 2. If my organization want to become member of IPA what will be the procedure?

Contact Mr. Dileep Miskin, Director UL Group of Companies ( +91 9970006819) or You can visit our website [www.profibusindia.com](http://www.profibusindia.com) & then click on the 'JOIN US NOW' fill up the details we will give you all the details.

### 3. What are the benefits for the IPA Member?

Following are the benefits to an IPA

- **Participation in trade fairs:** IPA strives to participate to the most important industry fairs in India. The association participates, in the name of its members, in these fairs by way of a collective stand. Members can also, in addition to this, reserve their own individual presentation.
- **Participation in trade events:** The PROFIBUS & PROFINET association organizes events like “Talks” (2-3 hour events) or Road-shows (half or full day events). These events are specifically intended for end users, machine-builders and system-integrators, but can also be intended by members.
- **Internet sites:** There is an international site ([www.profibus.com](http://www.profibus.com) and [www.profinet.com](http://www.profinet.com) ) which is consulted more than 5 (five) million times per year. Your company will also be displayed on this site and a link will be available directly to your own homepage. Besides that the association also has their own website [www.profibusindia.com](http://www.profibusindia.com) . This site is ‘refreshed regularly’ and keeps the local market informed on all the activities of IPA.

- **Up-to-date with PROFIBUS & PROFINET information:** The association makes sure that the members are always supplied with the most up to date information in relation to PROFIBUS & PROFINET. This occurs by way of PROFInews, the international e-magazine
- **Use of the PROFIBUS & PROFINET logos and membership button:** As member of the PROFIBUS association you have the right to display the PROFIBUS & PROFINET logos and a button which identifies you as a member which you can place and include on all your manifestations. Here you can think about your company letterheads, your mailings, your internet site, etc
- **Placing your products on the Online Product Guide and the GSD-library:** As a company, which develops its own products with a PROFIBUS-interface, you can have these products placed in the Online Product Guide and in the GSD-library. By placing your products here potential clients will find your company as a supplier of products which are as per the specifications of their individual expectations-package. Your market area contains in this way, in one single move, the entire world.
- **Access to the PROFIBUS & PROFINET- documentation, profiles and guidelines:** By way of a personal password, members will be able to gain access to all the PROFIBUS & PROFINET information in respect to the standards, the different profiles of PROFIBUS & PROFINET and the guidelines for the set up, the execution and the realization. This information is available 24 hours per day and can be obtained from the international PROFIBUS & PROFINET website.

#### 4. If I want to develop the Profibus related products can IPA help me?

Yes, IPA will help you for the development of product related to Profibus/Profinet.

#### 5. What is the procedure for the Products certification?

##### Following is the procedure for the Product Certification

- Apply for membership to your regional Profibus organization in India IPA
- Requesting/Purchasing an Ident Number
- Investment in test and development tools

- Hardware and software development
- GSD file development
- Documentation
- Prototype development
- Pre-compliance Testing of the Prototype
- Applying for the device testing with the prescribed form along with the documents mentioned in the form
- Forwarding the device after confirmation from the Test lab for the Certification Testing to Testlab. If required the manufacturer to be present for the testing.
- Carrying out the changes suggested by the Testlab if any and re-forwarding the device for testing.
- Getting the device Certified by Certified Test lab (UL can assist the designer in this)
- Apply to Profibus international Organization for Product Certification along with the fees and the Test lab certificate.
- Getting the product certified.

**6. If I want to download some books from IPA website is there any discount for me as an IPA member?**

Yes there is some discount to you as IPA Member to download the books or buy Hard Copy of the books.

**7. Can we use the logo of Profibus/Profinet when we become the member of IPA?**

As member of the PROFIBUS association you have the right to display the PROFIBUS & PROFINET logos and a button which identifies you as a member which you can place and include on all your manifestations. Here you can think about your company letterheads, your mailings, your internet site, etc.

**8. Can we display Advertisements on IPA website?**

It is possible to give advertisements of your organizations on IPA website, which will help you to increase business opportunities.

**9. If an individual want to become member of IPA is this possible?**

It is possible for an individual to become member of the IPA.

**10. What will be the benefit for the educational institute as an IPA member?**

IPA will arrange the technical seminars in Educational Institutes that will helpful to students as well as their teachers.

**11. Why there are only up to 32 stations on every Profibus segment?**

Profibus works on RS 485 on physical layer. The 32 station limit is imposed by RS485. The 5V power rail can only manage the line driving for 32 stations under the standard.

**12. Why there are not more than 126 DP devices in the Profibus network?**

Although there are 8 bits available (256) the most significant bit is used to denote if the telegram has SAPs (Service Access Points-like extended addressing), hence only 7 bits are available for the addresses (128, but referred to as 0 - 127). Remember that 126 is reserved for 'off the shelf' devices, 127 for global messages.

**13. What is the length of the cable between two devices in a network for the baud rate of 1.5 Mbps and above? Where is it specified?**

The minimum 1 meter cable length has to be maintained between two devices in a network for the baudrate of 1.5 Mbps and above. This is referred to in the PI guidelines. This 1 meter prevent devices adding their capacitances together thus creating a larger reflection .It may be that the added capacitance has only a limited effect however sometimes it can cause disruption of the signal.