

Getting Started with the Proton-NET Development Board

Please take time to familiarise yourself with TCP/IP networking principles. Through out the text supplied with the development system we recommend an excellent book by Jeremy Bentham, but you will also find some very useful resources on the internet.

You should read the documentation supplied with the development system and most importantly browse the documentation on the disk included with the package before attempting to configure your board. The Proton-Net board is supplied with the IOsoft demo pre loaded. To use the Proton-Net board with Proton Basic, you will need to load the files supplied on the CDROM PB_UDP.HEX or PB_UDP2.HEX. To create these files conforming to your network setting you will need to compile the corresponding .bas files. It is important that you read the document **Proton-Net_V104_Rel_01.pdf** located in the DOCs directory on the CDROM, this pdf document contains all the information required to set-up and use the Proton Net development system with proton PICBASIC

The system is supplied with a PIC16F877 20/p and eeprom pre programmed to demonstrate Jeremy Bentham's P16WE application. This is a good test of the complete functionality of the development board. The address of the board as supplied is 192.168.1.20. All Boards are fully tested before despatch and unless damaged in transit, will function in demo mode as delivered. After correctly configuring your host system, power up the board with the supplied AC adapter, connect to your host using a crossover cable and point your browser to 192.168.1.20 and you will see the web pages being served by the embedded server in the P16WEB application

Technical support is offered via the web forum at www.picbasic.org there is a section specifically for the TCP/IP development system, support by Crownhill is limited to installation of the development board and out of box functionality, there is NO technical support for code modification or customisation – as the developer, that is your contribution!

We look forward to receiving your feedback via the forum and wherever possible we will try to improve the product by incorporating your suggestions.

Thank you for purchasing from us, good luck with your networking projects.

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