

Regulatory Notices

EC Declaration of Conformity

FarSite Communications Limited declare that the product FarSync T2U-PMC is in conformity with the following standards and other documents:

Telecommunications Terminal Equipment (TTE Directive 91/263/EEC): **TBR1, TBR2**
Electromagnetic compatibility (EMC Directive 2004/108/EC): **EN55022, EN61000-6-2**
Safety (LVD Directive 2006/95/EC): **EN60950**



This equipment is intended for attachment to public or private leased lines or packet switched data networks.

Federal Communications Commission (FCC) Statement

Radio Frequency Interference (RFI) (FCC 15.105)



The FarSync T2U-PMC device has been tested and found to comply with the limits for Class B digital devices pursuant to Part 15 Subpart B, of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential environment. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by switching the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Labelling requirements (FCC 15.19)

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference which may cause undesired operation.

Modifications

Changes or modifications to this equipment not expressly approved by FarSite may void the user's authority to operate this equipment.

FCC Declaration of Conformity

(In accordance with FCC dockets 96-208 and 95-19)

Manufacturer's name: FarSite Communications Limited

Tempus Business Centre, 60 Kingsclere Road, Basingstoke
Hampshire, RG21 6XG, United Kingdom

FarSite Communications Limited declares that the product FarSync T2U-PMC to which this declaration relates, meets the requirements specified by the Federal Communications Commission as detailed in the following specifications

- Part 15, Subpart B, for Class B Equipment
- FCC Docket 96-208 as it applies to Class B Personal Computers and Peripherals

The products have been tested at an external laboratory certified per FCC rules and has been found to meet the FCC, Part 15, Class B emission limits. Documentation is on file and available from FarSite.

Industry Canada

This Class B digital apparatus meets the requirements of the Canadian Interference Causing Equipment regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

FarSite COMMUNICATIONS

FarSync T2U-PMC

QUICK START GUIDE

FOR WINDOWS AND LINUX

Thank you for choosing FarSync for your synchronous data communications needs. The FarSync product family provides a full range of synchronous data communications solutions. This product is a 2-port device with support for balanced and unbalanced signal types. The models covered by this guide are:

FarSync T2U-PMC-F

An intelligent 2-port Universal PCI Mezzanine Card (PMC) for synchronous data communications over X.21 (V.11/RS-422), V.24 (X.21bis/RS-232-C), V.35 and EIA-530 (V.11/RS422) physical interfaces provided on front (and rear) I/O.

FarSync T2U-PMC-R

An intelligent 2-port Universal PCI Mezzanine Card (PMC) for synchronous data communications over X.21 (V.11/RS-422), V.24 (X.21bis/RS-232-C), V.35 and EIA-530 (V.11/RS422) physical interfaces provided on rear I/O.

Please refer to cable application details at www.farsite.com for the latest available information.

The installation of the FarSync T2U-PMC product has three basic steps.

- **Install the hardware**
- **Connect the cables**
- **Install and configure the FarSync driver software**

Refer to page 2 of this guide for more instructions on each step. Note that **Administrative privilege** is required to install the software under Windows. Installation under Linux should be performed as **root**. Use a web browser to view the file `install.html` file for further assistance on the installation process.

Manuals on the FarSync CD are in HTML or Adobe Portable Document Format (PDF). If you do not already have a suitable PDF reader installed, reader software is freely downloadable from the Adobe website.

Step 1 Installing the hardware

Warning – Electrostatic discharge can damage integrated circuits on your FarSync card. Observe precautions for handling electrostatic sensitive devices.

Shut down and power off the system. Identify a free PMC site in your system and install the FarSync T2U-PMC card, ensuring that it is properly secured with mounting screws. The FarSync T2U-PMC is a **Universal PMC** card that will operate in either 5-volt or 3.3-volt PMC slots conforming to revision 2.1 or later of the PCI interface specification. This includes 64-bit **PMC** slots. Note that some early PCs with PMC bus slots (specifically those with an AT format motherboard and AT style power supply connectors) do not supply all of the power signals required by the FarSync T2U-PMC. Such PCs are not PCI revision 2.1 compatible.

Note that to correctly operate, any IRQs in use by legacy devices (such as integrated peripherals or ISA bus cards) must be flagged as such in the PC BIOS configuration pages. Many other problems regarding operation of PMC cards in a particular PC can be resolved by changing settings in the BIOS with or without the card installed. Each BIOS differs in the parameters available and their naming. Refer to your system documentation for more information.

Step 2 Connecting the cables

The FarSync T2U-PMC-F card has front (and rear) I/O presented on two Micro-D 25-pin male connectors marked A and B to distinguish the ports.

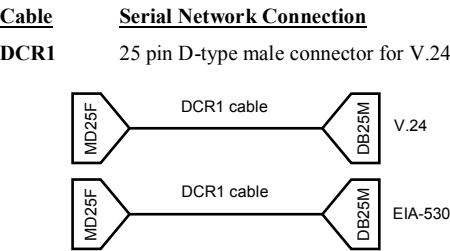
The FarSync T2U-PMC-R card has only rear I/O, so cabling will be determined by the system design.

Refer to the separate document **FarSync T2U-PMC User I/O Pin Out Guide** for details of the rear I/O connector.

Front I/O connectors can be connected to the Network Termination Point with an adapting cable compatible with the Network Termination Unit (NTU).

FarSync T2U-PMC-F

The standard cable for the FarSync T2U-PMC-F (type **DCR1**) presents each port on a DB25 male connector. Separate ports may be configured and directly connected to a V.24 or EIA-530 Network Termination Unit (NTU).



The 25-pin Micro-D connectors should be firmly secured to the communications card using the screws in the connector hood. The connection to the Network Termination Point should be firmly secured in a similar way.