

CE Declaration of Conformity

FarSite Communications Limited declares that the products FarSync T4Ee is in conformity with the following standards and/or other normative documents:

Safety (LVD Directive 2006/95/EC): **EN60950-1:2006 including annexes A11:2009, A1:2010 and A12:2011**

Electromagnetic compatibility (EMC Directive 2004/108/EC): **EN55022, EN61000-6-2**

Radio and Telecommunications Terminal Equipment (R&TTE 1999/5/EC): **TBR1, TBR2**
(This equipment is intended for wired attachment to public or private leased lines or packet switched data networks)

Restriction of the use of certain hazardous substances (RoHS 2 2011/65/EU)

Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH 1907/2006)

Date: 28-Jul-2014

Authorisation:

D SMITH (DIRECTOR)

Federal Communications Commission (FCC) Statement**Radio Frequency Interference (RFI) (FCC 15.105)**

The FarSync T4Ee devices have 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 T4Ee to which this declaration relates, meet 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.

FarSite
COMMUNICATIONS

FarSync T4Ee

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. The models covered by this guide is:

FarSync T4Ee

Intelligent 4-port PCI-Express adapter 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/RS-422) physical interfaces.

The installation of the FarSync T4Ee product has four basic steps.

- **Install the hardware**
- **Connect the cables**
- **Install the FarSync driver software**
- **Configure the FarSync drivers**

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 a selection of readers can be found in the **Acrobat** directory on the FarSync CD. Further readers for other platforms are available from Adobe.

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 PCI Express slot in your PC and install the FarSync T4Ee card, ensuring that it is properly secured with a mounting screw. The FarSync T4Ee cards are PCI Express cards that will operate in any PCI Express (PCIe) slot conforming to revision 1.0a or later of the PCI Express specification. This includes slots with x1-lane, x4-lane, x8-lane and x16-lane connectors.

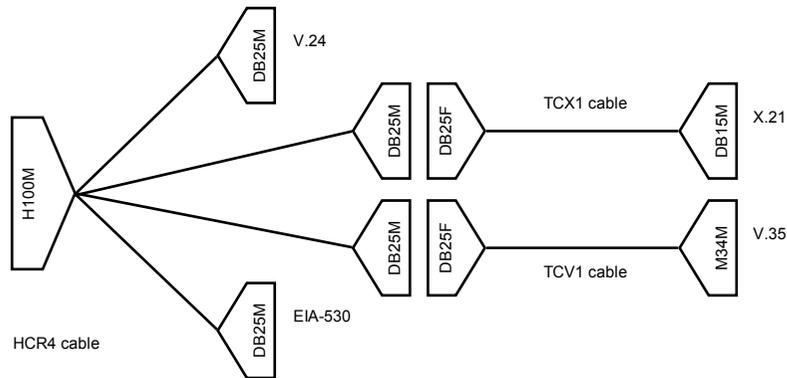
Step 2 *Connecting the cables*

The FarSync T4Ee card has a 100-pin external HIPPI female connector.

FarSync T4Ee - Cable Assembly

The standard cable for the FarSync T4Ee (type **HCR4**) 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). Connection to an X.21 or V.35 NTU requires a **TCX1** or **TCV1** adapter cable, as shown below:

Note: The 100-pin cable connector uses pins of fine pitch. To avoid damage to card and cable connectors, check that pins in the connector are straight before attaching. Never attach the cable at an angle to the card socket as pins may become bent and damage the card connector.



Any combination of interface types is permitted on FarSync T4Ee.

The available adapter cables are as follows:

<u>Cable</u>	<u>Serial Network Connection(s)</u>
TCX1	15 pin D-type male connector for V.11 (X.21/RS-422) use.
TCV1	MRAC-34 male 'brick' type connector for V.35 use.

The 100-pin connector of the **HCR4** cable should be firmly secured to the communications card using the screws in the connector hood. The connections between the transition cable and the serial interface cable(s) and the connection to the Network Termination Point should be firmly secured in a similar way.

Step 3 *Install the Driver Software*

The driver installation varies between the different supported operating systems, but in all cases the hardware should be installed first. Refer to the software CD or the FarSite web site for the latest information on supported environments.

Driver installation instructions for each supported operating system can be found on the software CD accompanying the product. The `install.html` file in the root directory of the CD should be used as a starting point.

Step 4 *Configure the FarSync Drivers*

Configuration of the FarSync driver software also varies between the many supported operating systems. Again refer to the documentation on the product CD for details of the mechanism suitable for your environment.

WARRANTY INFORMATION

Your FarSync T-Series Adapter carries as standard a return to base hardware warranty of 5 years from date of delivery. If you require support visit the Support area at www.farsite.com. If you wish to extend your warranty period or upgrade to full product maintenance cover, please contact your sales representative. Further information can be found at www.farsite.com/products/product_warranty.htm.

The software included with this product is subject to one or more software license agreements. The top level license agreement is either included in printed form in your product package or in the file LICENSE.TXT in the root directory of the CD included with the product.

By installing the software you agree that you have read and understood the license and agree to its terms and conditions