Digital Semiconductor

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DECchip 21130 PCI Integrated Graphics and Video Accelerator Evaluation Board

Read Me First

Order Number: EC–QHV1B–TE

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Digital Equipment Corporation
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1 Introduction to the DECchip 21130 PCI Integrated Graphics and Video Accelerator Evaluation Board Kit

The DECchip 21130 PCI Integrated Graphics and Video Accelerator Evaluation Board Kit was designed to introduce you to the DECchip 21130 PCI Integrated Graphics and Video Accelerator (21130) and to help you learn more about designing your products with this chip. This evaluation board is intended to demonstrate the functionality of the 21130. Using the DECchip 21130 PCI Integrated Graphics and Video Accelerator Evaluation Board (also called the EB130) and the documentation, you will be able to do the following:

- Validate the functionality and features of the 21130.
- Use the evaluation board as a sample design.
- Learn more about the 21130.

This document, *DECchip 21130 PCI Integrated Graphics and Video Accelerator Evaluation Board Read Me First*, provides an overview of the kit contents, and gives some information about how to begin using the EB130.

2 Kit Contents

The DECchip 21130 PCI Integrated Graphics and Video Accelerator Evaluation Board Kit contains the following:

- A DECchip 21130 PCI Integrated Graphics and Video Accelerator Evaluation Board (EB130)
- An EB130 Design Kit, provided on a 3½-inch diskette
- A DECchip 21130 Drivers and Utilities Kit
- The EB130 documentation

3 What You Must Supply

The EB130 is intended for use in any PCI bus platform running the Windows 3.1 operating system. This evaluation board can be plugged into any available PCI slot. In addition to this platform, you will need a 3½-inch diskette drive.

4 Documentation

The following documentation is included in the DECchip 21130 PCI Integrated Graphics and Video Accelerator Evaluation Board Kit:

Title	Order Number
21130 Documentation	
DECchip 21130 PCI Integrated Graphics and Video Accelerator Product Brief	EC–QD2NA–TE
DECchip 21130 PCI Integrated Graphics and Video Accelerator Technical Reference Manual	EC–QD2QB–TE
How to Design with the DECchip 21130: An Application Note	EC–QHV4B–TE
DECchip 21130 BIOS: An Application Note	EC–QHV5B–TE
DECchip 21130 PCI Integrated Graphics and Video Accelerator Compatible Memory Devices: An Application Note	EC–QLEGB–TE
EB130 Documentation	
DECchip 21130 PCI Integrated Graphics and Video Accelerator Evaluation Board User's Guide	EC–QHV0B–TE
DECchip 21130 PCI Integrated Graphics and Video Accelerator Evaluation Board Read Me First	EC–QHV1B–TE
DECchip 21130 PCI Integrated Graphics and Video Accelerator Evaluation Board Schematics	EC–QHV2B–TE
DECchip 21130 PCI Integrated Graphics and Video Accelerator Evaluation Board Vendor Parts List	EC–QHV3B–TE

5 How to Use the Provided Documentation

The following table provides some guidelines to help you determine which documentation and software you need to use according to what you want to accomplish:

If you want to...	Start with...
Install the EB130.	This document (*DECchip 21130 PCI Integrated Graphics and Video Accelerator Evaluation Board Read Me First*) *DECchip 21130 PCI Integrated Graphics and Video Accelerator Evaluation Board User's Guide* EB130INT.GDE located on the EB130 Design Kit diskette
Install a driver.	READ_ME.TXT provided on the driver diskette
Design new hardware with the 21130.	*DECchip 21130 PCI Integrated Graphics and Video Accelerator Technical Reference Manual* EB130 Design Kit

6 The EB130 Design Kit

The EB130 Design Kit is provided on a 3½-inch diskette that contains the following information:

- Vendors' parts list
- Netlist
- Mechanical and unit assembly drawings
- Gerber plots
- Schematics
- Artwork aperture file

6.1 Files on the Diskette

The hardware design package diskette contains the following files:

Archive/File Name	Comments/Contents
READ_ME.TXT	ASCII file, provides a general description of the diskette contents, plus the release notes for the schematics.
SCHEME.EXE	Compressed file, contains schematics, unit assembly drawings, mechanical drawings, vendors' parts list, netlist, and board installation procedures.

Archive/File Name	Comments/Contents
GERBER.EXE	Compressed file, contains Gerber files, layer art files, soldermask and solderpaste files, silkscreen files, drill files, and aperture files.

6.2 Accessing the Design Kit Files on the Diskette

The 3½-inch Design Kit diskette contains hardware design files that were archived in a compressed, self-extracting format. You can access and read these files on a personal computer with a 3½-inch diskette drive, under either the Windows or DOS environment. Run these executable files, and they will be expanded automatically.

Expanding Files in a Windows Environment

If Windows is running on your PC, perform the following steps:

1. On the hard drive, create a directory named ‘‘21130’’ to hold the decompressed files from the Design Kit diskette.
2. Insert the Design Kit diskette into your drive.
3. Copy the contents of the diskette to the 21130 directory.
4. Remove the diskette from your drive.
5. Under the File Manager, select the file SCHEME.EXE. Then from the File menu, select the RUN command. This expands the SCHEME.EXE for use.
6. Follow the same steps to expand GERBER.EXE.

Expanding Files in a DOS Environment

If you are running DOS on your PC, perform the following steps:

1. On the hard disk, create a directory named ‘‘21130’’ to hold the decompressed files from the Design Kit diskette.
2. Insert the Design Kit diskette into your drive.
3. Copy the contents of the diskette to the 21130 directory.

4. Change your directory to the 21130 directory.
5. Type the file name SCHEME and press Enter. This command expands SCHEME.EXE.
6. Type GERBER to expand GERBER.EXE.

7 Additional Drivers and Updates

Additional drivers and updates may be made available on a regular basis. Use the customer reply card included in the kit to register your evaluation board so that you will be notified of these updates. Or send the following information to the address listed below:

Name
Address
FAX number
Product purchased
Serial no.
Date purchased

Digital Equipment Corporation
Marketing/Product Updates
77 Reed Road, HLO2-2/M9
Hudson, MA 01749-2895
USA