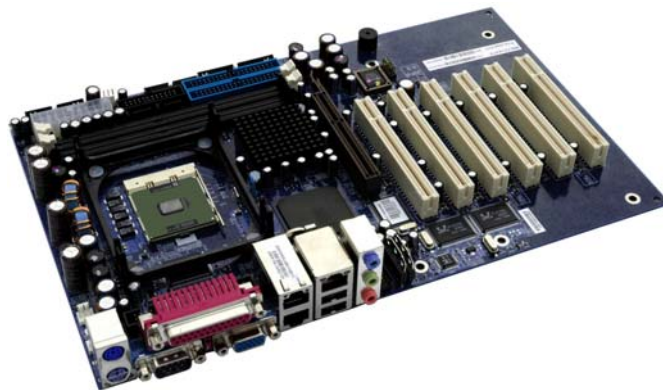
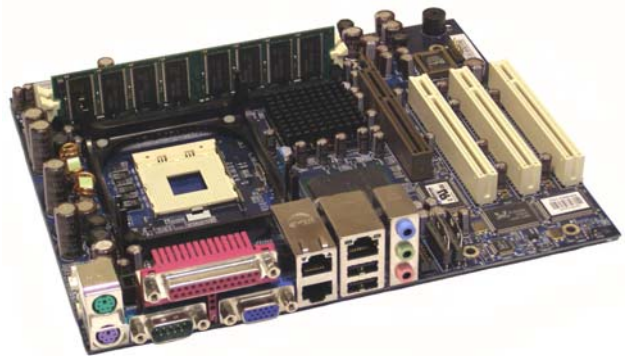




Windows XP Embedded O/S Support for the 886LCD-M



Document revision history:

Revision	Date	By	Comment
1.0	Oct.. 24 th , 2006	LJE	First initial release



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How to get started with Windows XP Embedded

This document is a brief introduction for using Windows XP Embedded OS on Kontron Technology 886LCD-M family of Boards. First step is to get a copy of Windows XP Embedded with Service Pack 2 from your local Microsoft supplier or you can download a evaluation copy from "<http://msdn.microsoft.com/embedded/downloads/xp/default.aspx>". After installing Windows XP Embedded run the Component Database Manager and import the 4 SLD files into the database. Please note that if ADD-CRT card is used then select relevant Graphics SLD file. Now run the Target Designer and open the "886Flex ServicePack 2 Minimum.slx" (if ADD-CRT card is used then use the "886Flex ServicePack 2 Minimum Add CRT.slx"), this file contains component needed to build a Windows XP Embedded OS. When this file is opened all used components is displayed on screen add additional components if needed. Then build the Windows XP Embedded OS by pressing the F7 key "Build Target Image". After the building process is completed, the Target Image must be deployed on target device.

Deploying Windows XP Embedded to a Hard drive

1. Boot the system into MS-DOS.
2. Using the FDISK utility, create a FAT partition on the hard drive.
3. Reboot the system into MS-DOS.
4. Format the partition you created using the DOS FORMAT command.
5. Execute Bootprep.exe on the device.
6. Boot the system into Windows 2000 or Windows XP.
7. Run the Convert.exe tool on the device, specifying NTFS as the desired file system.
8. Place your run-time image and other desired files on the hard drive.
9. Boot the system with the hard drive.



Current 886LCD-M Windows XP Embedded Support:

Graphics	
Direct X, Direct3D	Supported Tested with 3Dmark2001
LCD Panels	All Panels supported by BIOS is supported by WinXP embedded:
Dual Display	Supported
ADD-DVI-CRT	Supported
Communication	
Ethernet	Supported
Serial ports 1+2	Supported Not shared
Serial ports 3+4	Supported Not shared
Parallel port	Supported
Floppy	Supported.
USB Channels	Channel 0 supported Channel 1 supported
Sound	
AC97/98	Supported
DirectSound	Supported
Other	
Compact Flash	Supported
IDE Channel	
Primary	Supported
Secondary	Supported
IDE CDROM/DVD	Supported
DVD Playback	Supported Tested With WinDVD
Keyboard	Supported
KT-API including: GPIO, CPU Temp., Fan rotation, Watchdog, CPU Throttle	Supported
Power Management	Supported