Wafer-582X-CENET

Ready-to-run solution for WinCE .NET

INTRODUCTION

The WAFER-582X-CENET is an embedded platform development kit which supports Windows CE .NET, used in conjunction with our Wafer-582X, the low power, high performance embedded CPU board. Pre-configured with WinCE .NET on the Flash ROM, the WAFER-582X-CENET is a ready-to-run solution for Microsoft Windows CE .NET.

WAFER-582X-CENET also has BSP and SDK utilities pre-configured, and samples source code on the support disk. BSP allows you to easily customize your system without the need to write the device driver yourself, and
With SDK & sample source code , you can develop your applications quickly and precisely, and ship
your products at the most optimal time-to-market.

Benefits

- Small footprint device
- Robust & real-time
- Support Visual C++ programming
- Familiar windows application development paradigm & tools
- .NET Compact Framework support

Applications

- Industrial automation device
- Internet/media applicance
- PDA/Mobile handheld
- Residential gateway
- Retail point of sale
- Set top box
- Tiny kernel
- Web pad
- Windows thin client

Microsoft Windows CE.net

Microsoft® Windows® Embedded Partner

WinCE .NET Development Tool & run-time license

- Users who use BSP to customize their system should have Platform Builder 4.0. (from Microsoft)
- Users who use platform SDK to develop applications should have eMbedded VC++ 4.0. (from Microsoft)
- Users who distribute WinCE .NET image to target device should have WinCE .NET run-time license. (from IEI or Microsoft)

FEATURES

- Pre-configured Windows CE .NET OS Image on Flash Disk
- Windows CE .NET image with Internet Explorer 5.5 and Windows Media 8 codecs and controls.
- Windows CE .NET run-time license
- Board Support Package (BSP) help customize system
- Platform SDK for developers to develop application with Visual C++ programming
- Fully functional ATAPI disk driver provides CD and DVD read support
- Hive-based registry enable store registry data inside files
- Program Auto-Launch function
- Sample C++ source code & utility function support

SPECIFICATIONS

Hardware:

- **CPU:** NS GX1 300MHz
- **System Memory:** 128MB SDRAM
- **IFM:** Flash Disk Module 32MB
- **Display:** TFT LCD & CRT display
- **Ethernet:** 10/100Mbps
- **Audio:** AC'97 compliant Audio CODEC
- **I/O:**
  - 1 x RS232 port & 1 x RS-232/422/485 selectable port (Wafer-5820)
  - 2 x RS232 ports (Wafer-5822/5825)
  - 1 x parallel port (support SPP/EPP/ECP mode)
  - 2 x USB 1.1 (pin header)
  - 1 x IrDA
  - 1 x FDD
  - 1 x ATA-33 IDE channel (44-pin pin-header)
- **WDT:** watch dog timer
- **Digital I/O:** 4xDI & 4xDO, TTL Level (Wafer-5822)

Software:

- **Windows CE .NET image on flash disk. (English version)**
  Supported device driver:
  - PS/2 Keyboard
  - PS/2 Mouse
  - VGA/LCD (resolution 1024 x 768 256 colors)
  - Audio
  - Serial port
  - Parallel port
  - PCMCIA
  - USB port
  - IrDA port
  - DiskOnChip (Wafer-5820/5822)
  - IDE Flash disk, hard drive (Primary Master and Secondary Master)
  - Ethernet
  - DIO (Wafer-5822)
  - Watch dog timer
  - Touch screen (optional)
- **BSP (Board Support Package)**
- **SDK (Platform SDK)**
- **Sample Source code & Utility**

Accessories:

- Null modem serial cable
- User manual
- CESH parallel cable
- CD-ROM

ORDERING INFORMATION

- **Wafer-5820-CENET / Wafer-5822-CENET / Wafer-5825-CENET** / **LCD** / **Touch Screen**

Embedded NS GX1 300MHz SBC with 128MB SDRAM, 32MB Flash Disk Module.

LCD-KIT01
6.4" TFT LCD kit w/cable
LCD-KIT03
10.4" high bright TFT LCD kit w/cable
LCD-KIT05
12.1" TFT LCD kit w/cable
LCD-KIT07A
VGA input 15" TFT LCD kit w/cable

T-R064B 6.4" resistive type touch screen kit
T-R104B 10.4" resistive type touch screen kit
T-R121B 12.4" resistive type touch screen kit
T-R151B 15.1" resistive type touch screen kit
T-C121 MicroTouch 12.1" capacitive type touch screen kit
T-C151 MiceoTouch 15.1" capacitive type touch screen kit