

CASIO IT-G500 WEH 6.5 Quick Start

Setting Up the Development Environment

Microsoft Visual Studio 2008 SP 1
 Microsoft WMDC 6.1
 Windows Mobile 6 Professional SDK
 Windows Mobile 6.5.3 DTK
 Casio IT-G500 SDK



Communication Software (Direct Connection: Micro USB / Cradle Connection: Standard USB)

- Microsoft Windows Mobile Device Center 6.1 for Windows Vista or later (32-bit)
<http://www.microsoft.com/en-us/download/details.aspx?id=14>
- Microsoft Windows Mobile Device Center 6.1 Driver for Windows Vista or later (64-bit)
<http://www.microsoft.com/en-us/download/details.aspx?id=3182>

Software Development Environment

- Microsoft Visual Studio 2008 (Professional or better version)
- Windows Mobile 6 Professional and Standard Software Development Kits Refresh
<http://www.microsoft.com/en-us/download/details.aspx?id=6135>
- Windows Mobile 6.5.3 Developer Tool Kit
<http://www.microsoft.com/en-us/download/details.aspx?id=5389>
- Casio IT-G500 SDK for C++, C#, and VB (CD-ROM)

Library

- After installation of the Casio IT-G500 SDK you can find the library files at <Installation Path>\CASIO\MBSys on your PC.
- If you want to target the Microsoft Compact Framework, you will find the required wrappers at <Installation Path>\CASIO\MBSys\WindowsCE on your PC.

Application Development (Microsoft Compact Framework)

- Launch Visual Studio 2008.
- Create a new project, and select "Smart Device" under Visual C#, and then "Windows CE" and ".NET Compact Framework Version 3.5".
- Add the desired wrapper library as a "reference" to your project.
- Introduce the namespace of the wrapper library to your source file: "using Calib;"
- Continue writing your code, e.g. use this function call to switch off the power of the terminal:
`"SystemLibNet.Api.SysPowerOff();" ;"`
- Finally deploy your solution to the terminal.

Manuals

The documentation is usually offered in English as PDF-document. The most important manuals are explained in the following listing:

- User's Guide: General operating instructions for the terminal and accessories.
- Quickstart Guide (Developer): First assistance for programmers.
- Software Manual: Detailed description of operating system and pre-installed programs.
- Hardware Manual: Technical data of terminal and accessories.
- Library Manual: Explanation of the programming functions including examples.
- CAB File Automatic Setup Tool Manual: Manual for the automatic installation of programs.

Device Security

Users are prompted to give unsigned applications permission to install and run with full access to system resources. You can use the Device Security Manager of Visual Studio 2008 to switch the device security off. Alternatively, you can install a CAB file that enables the desired security settings on the terminal. You can get this CAB file from our download area.

Reset Operations

	RAM		OS Disk	ROM		Clock	Keys
	OS Files	Program Files		User Disk			
				File Area	"FlashDisk"		
Soft Reset	-	Cleared	-	-	-	-	[RESET]
Full Reset	Reloaded	Cleared	-	Cleared	-	-	[Fn] + [CLR] + [RESET]
Hard Reset	Reloaded	Cleared	-	-	-	Cleared (tbd)	[CLR] + [0] + [RESET]
User Disk Clear	Reloaded	Cleared	-	Cleared	Cleared	-	[Fn] + [CLR] + [.] + [RESET]

You can force the User Disk Clear also by launching the `dskclean.exe` from the Windows directory.

Hardware Keyboard

In combination with the [Fn] key a couple of special functions can be activated:

- [Fn] + [0] Switches the software input panel on or off
- [Fn] + [1] Switches the screen backlight on or off
- [Fn] + [2] Switches the keyboard backlight on or off
- [Fn] + [4] Calibration of the touch screen
- [Fn] + [5] Darkens the screen backlight
- [Fn] + [6] Brightens the screen backlight

You can enable or disable the [Fn] key operation in the registry under the following key (1 = disable, 0 = enable): HKEY_LOCAL_MACHINE\HARDWARE\DEVICEMAP\KEYBD

Settings

- Laser Scanner: START → SETTINGS → SYSTEM → SCANNER SETTING
(To increase performance, disable all types of barcodes you do not to read)
- WLAN: START → SETTINGS → CONNECTIONS → WLAN SETTINGS
(We recommend using default settings)
- Screen backlight: START → SETTINGS → SYSTEM → BACKLIGHT
(We recommend increasing the timeout value for operation on battery power)
- Power-off: START → SETTINGS → POWER → ADVANCED
(We recommend increasing the timeout value for operation on battery power)

Configuration Files

- Laser Scanner: \FLASHDISK\SYSTEM SETTINGS\OBRDRV.INI
- WLAN: \FLASHDISK\SYSTEM SETTINGS\WLANCFG.INI

Casio Knowledgebase and Download Area

The Support Page of CASIO Mobile Industrial Solutions has been made available at <http://www.casio-b2b.com/mis/euro/> (English) and <http://www.casio-b2b.com/mis/de/> (German).

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