Embedded based teaching pendant optimized for industrial robots.

# DTP7H-W Windows CE7 Development Environment Installation Guide

# (R1) Version

# DAINCUBE Corp.

ARM Cortex-A9 Windows CE7 system

FORM 170703F - 2019.04.03

DTP7H-W Windows CE7 Development Environment Installation Guide

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## Preface

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DAINCUBE Corp. Web: www.daincube.com E - MAIL: support@daincube.com

## Safety precautions

Be sure to observe all of the following safety precautions.

Strict observance of these warning and caution indications are a MUST for preventing accidents, which could result in bodily injury and substantial property damage. Make sure you fully understand all definitions of these terms and related symbols given below, before you proceed to the manual.

## Symbols

The following symbols may be used in this specification:

# \Lambda Warning

Warnings indicate conditions that, if not observed, can cause personal injury.

# ▲ Caution

Cautions warn the user about how to prevent damage to hardware or loss of data.

## D Note

Notes call attention to important information that should be observed.

# **Revision history**

Revision	Data	Comment
Version 1.0	2017.06.16	Initial Version
Version 1.1	2017.07.19	Change SDCard Boot Description Location
Version 1.2	2018.07.02	Delete SD card boot content
Version 1.2.1	2019.04.04	Form modification, errata correction Version
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	10	
1		

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## **1. Windows Development Environment**

## 1.1. SDK Install

If Visual Studio 2008 is open before installation, be sure to close all of them. In order to develop DTP7H-W in Visual Studio, you need to install additional SDK provided by DAINCUBE.

Run the provided "SDK\_CG4300\_WEC7.msi".

🛃 SDK_CG4300_WEC7.msi	2017-06-08 오후	Windows Installer	7,162KB	

## "Next" Button Click

GG4300_WEC7 Setup	
S	Welcome to the CG4300_WEC7 Setup Wizard
	The Setup Wizard will install CG4300_WEC7 on your computer. Click Next to continue or Cancel to exit the Setup Wizard.
	< Back Next > Cancel
Click the "Accept" and "Next" button.	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

1	ind-User License Agreement
E	Be sure to carefully read and understand the following end-user license agreement, and then indicate whether you accept or do not accept the terms of the agreement.
1	This software will not be installed on your development workstation unless you accept the erms of the end-user license agreement. For your future reference, you can print the te he end-user license agreement by clicking the PRINT button.
	SOFTWARE LICENSE TERMS
	MICROSOFT WINDOWS EMBEDDED COMPACT 7 OEM SOFTWARE
	DEVELOPMENT KIT for
	CG4300_WEC7, 1.0.0
	These license terms are an agreement between [DAINCUBE]
	Image: Press the PAGE DOWN key to see more text.         Image: Open content of the press the page of the
	Print Can

Enter "Use <b>User Nam</b> Organizat	er Name" and "Organization" and click "Next" button. ne : dain ation : daincube	
	谩 CG4300_WEC7 Setup	23
	Customer Information	5
	Please enter your customer information	G
Click the "	User Name:         dain         Organization:         daincube         'daincube         'daincube         ''Custom" button.         Image: CG4300_WEC7 Setup         Choose Setup Type         Choose the setup type that best suits your needs         Image: Cgstom         Allows users to choose which program features will be installed. Recommended for advan users.         Image: Cgstom         All program features will be installed. Recommended for advan users.         Image: Cgstom         All program features will be installed. Requires most disk space)	Cancel SX alled ced
	<back next=""></back>	Cancel

In Windows7 environment, click "Next" button except "Documentation".

Custom Setup Select the way you want features to be installed	8
Click on the icons in the tree below to change the	way features will be installed.
and on the routs in the tree below to change the	ing readines will be installed.
Native Development Support     Microsoft .NET Compact Framev     Common	Documentation of the WinCE platform APIs
× ▼ Documentation	This feature requires 0KB on your hard drive.
	Browse
Reset Disk Usage <	Back Next > Cancel
	P Noton
stall" button.	
stall" button.	Σ
CG4300_WEC7 Setup	
CG4300_WEC7 Setup Ready to Install The Setup Wizard is ready to begin the Custom in	stallation
stall" button. CG4300_WEC7 Setup Ready to Install The Setup Wizard is ready to begin the Custom in Click Install to begin the installation. If you want installation settings, click Back. Click Cancel to ex	stallation to review or change any of your it the wizard.
stall" button. CG4300_WEC7 Setup Ready to Install The Setup Wizard is ready to begin the Custom in Click Install to begin the installation. If you want installation settings, click Back. Click Cancel to ex	stallation to review or change any of your it the wizard.
stall" button. CG4300_WEC7 Setup Ready to Install The Setup Wizard is ready to begin the Custom in Click Install to begin the installation. If you want installation settings, click Back. Click Cancel to ex	stallation to review or change any of your it the wizard.

Click the "Finish" button.



## 1.2. Power Supply

Once the installation is completed on the HOST PC, turn on the power. If the wallpaper is displayed, boot normally It is finished.

## 2. . Windows Application Project Example (MFC)

## 2.1. Test Application

Once the connection with DTP7H-W is completed, the cross-compile development environment for application development has been completed. Create a Project on your PC and explain how to debug with DTP7H-W. Open Visual Studio and click "File -> New -> Project".



When the New Project window appears, click "Smart Device" in the Visual C ++ List

		Templates:	.NET Framework 3.5 👻 🛄
Visual C++ ATL CLR General MFC Smart De Test Win32 Other Langua Other Project Platform Buil Test Projects	vice ages Types der	Visual Studio installed templates	C Smart Device ActiveX Control C Smart Device DLL n32 Smart Device Project
A Win32 or Cons	ole project for Window	s Mobile and other Windows CE-based devices	
Jame:	<enter name=""></enter>		
lame: .ocation:	<enter_name> C:\Users\Yangjae</enter_name>	₩Documents₩Visual Studio 2008₩Projects	▼ Browse
Name: .ocation: Solution:	<enter_name> C:\Users\Vangjae Create new Solutio</enter_name>	#Documents#Visual Studio 2008#Projects	Browse

**※** Embedded Visual C ++ and Embedded Visual Basic are included in VS2005, and Smart Device is created. This Smart Device is an Embedded Application.

In the Visual Studio installed templates on the right, under "Win32 Smart Device Project" or Select "MFC Smart Device Application".

In this manual "Win32 Smart Device Project" to test. Enter the desired Name and Location in the Project Name at the bottom.

## Project Name : TestApplication Project Location: Host PC work path

Project Name will be "TestApplication".

When the project name setting is completed, click "OK" button

roject types:		Templates:	.NET Framework 3.5	
Visual C++ ATL CLR General MFC Smart Der Test Win32 Other Langua Other Project Platform Build Test Projects	vice Iges Types der	Visual Studio installed templates ATL Smart Device Project MFC Smart Device Application Silverlight for Windows Embedded Ap My Templates Search Online Templates	MFC Smart Device ActiveX Control MFC Smart Device DLL Win32 Smart Device Project	
4 Win32 or Cons lame:	ole project for Windows	Mobile and other Windows CE-based devices	5	
	C:₩Users₩Yangjae¥	Documents#Visual Studio 2008#Projects		Browse
ocation:				
ocation: olution:	Create new Solution	n 🔹 🔽 Cré	eate directory for solution	

The following window appears. Click "Platform" or "Next" on the left.

Win32 Smart Device Project Wiza	rd - SmartDeviceSampleApi
Welcome	e to the Win32 Smart Device Project Wizard
Overview Platforms Application Settings	These are the current project settings:         • Windows Mobile 5.0 Pocket PC SDK Platform         • Windows application         Click Finish from any window to accept the current settings.         After you create the project, see the project's readme.txt file for information about the project features and files that are generated.

By default, Pocket PC 200	3 is selected. Click	the << button to remove it
Add "SDK_CG4300_WEC	7". Click the "Next"	button.

Phile Con - Implomentation +1	10	
Win32 Smart Device Project Wiza	ard - TestApplication	V X
Platforms	5	
Overview	Select platform SDKs to be added to the current project.	
Application Settings	Installed SDKs: Pocket PC 2003 Smartphone 2003 iW-PRDVZ-BN-01-R5.0-REL2.0-W Platform Builder ( (	
	SDK_CG4300_WEC7 Instruction sets: ARMv4I <previous next=""> Finish</previous>	Cancel

I will make test application as console application and proceed with test. Select Console Application and click the "Finish" button.

Proje	ct Settings		
Overview Platforms Application Settings	Application type: <u>Windows application</u> <u>Console application</u> <u>DLL</u> <u>Static library</u> Additional options: <u>Empty project</u> <u>Export symbols</u> <u>Precompiled header</u>	Add support for:	
	Previous	Next > Finish	Cancel

In the TestApplication.cpp file, create the following simple arithmetic example Source:

```
#include "stdafx.h"
int _tmain(int argc, _TCHAR* argv[])
{
    int a=0, b=0;
    printf("Number input (a/b) = ");
    scanf("%d/%d",&a,&b);
    printf("%d+%d=%d\n\n", a,b,a+b);
    printf("%d-%d=%d\n\n", a,b,a-b);
    printf("%d/%d=%d\n\n", a,b,a/b);
    return 0;
}
```

When the sample source creation is completed, click the breakpoint point in the "-" part of the arithmetic operation.



Connect to DTP7H-W. If it is already connected, proceed to the next step.



Image: Solution is start without Debugging       F5       Image: Solution is start without Debugging       F5       Image: Solution is start without Debugging       F5       Image: Solution is start without Debugging       Ctrl+Alt+E         Image: Solution is start without is start without Debugging       Image: Solution is start without Debugging       Ctrl+Alt+E         Image: Solution is start without is start without Debugging       Image: Solution is start without Debugging       Ctrl+Alt+E         Image: Solution is start without is	TestApplication - Microsoft Visual S File Edit View Project Build	tudio Debu	(Administrator) Ja Tools Test Window Help	
SDK_CG4300_WEC7 ARMV7 Devi <ul> <li>Start Debugging</li> <li>Start Without Debugging</li> <li>Ctrl+F5</li> </ul> Colution Explorer - TestApplication <ul> <li>Start Without Debugging</li> <li>Ctrl+Alt+E</li> </ul> Solution Explorer - TestApplication              Exceptions                Exceptions               TestApplication              Step Into              F11               Solution TrestApplication              Step Over              F10                Solution TrestApplication.cpp              Searce Files               Delete All Breakpoints               Puble All Breakpoints                Source Files              Olisable All Breakpoints             Ctrl+Shift+F9             Disable All Breakpoints               TCHAR+ argv[])             TCHAR+ argv[])                Int a=u, D=U;             printf("Xd/Xd=Xd#n#m", a, b, a+b);             printf("Xd/Xd=Xd#n#m", a, b, a-b);             printf("Xd/Xd=Xd#n#m", a, b, a-b);             printf("Xd/Xd=Xd#n#m", a, b, a/b);             return 0;             }	🛅 • 🛅 • 💕 🔒 🥥   🐰 🗈 🛍		Windows •	DK_CG4300_WEC7 (ARN -
Solution Explorer - TestApplication   Solution Explorer - TestApplication   Solution TestApplication   TestApplication   Header Files   StafX.h   Resource Files   Solution Ceplication.cpp   ReadMe.txt   Solution Ceplication.cpp   Source Files   Solution TestApplication.cpp   TestApplication.cpp   Int a=0, D=0;   Printf("Xd/Xd=Xd#nWn", a,b,a+b);	SDK_CG4300_WEC7 ARMV7 Devi -		Start Debugging F5	📋 🗄 🔲 🗗 🖓 🕼
Solution 'TestApplication' (1 projeted in the set of	Solution Explorer - TestApplication	=Þ ≣	Start Without Debugging Ctrl+F5 Attach to Process Exceptions Ctrl+Alt+F	
Source Files Source Files Stafx.cpp ReadMe.txt → TCHAR+ argv[]) Delete All Breakpoints → Delete All Breakpoints →	Solution 'TestApplication' (1 proje	5≣ (⊒	Step Into         F11           Step Over         F10           Toggle Breakpoint         F9           New Breakpoint         F9	p : Defines the entry
<pre>ReadMe.bdt printf("Number input (a/b) = "); scanf("%d/%d",&amp;a,&amp;b); printf("%d/%d=%dWnWn", a,b,a+b); printf("%d+%d=%dWnWn", a,b,a+b); printf("%d+%d=%dWnWn", a,b,a+b); printf("%d+%d=%dWnWn", a,b,a/b); return 0; }</pre>	<ul> <li>Resource Files</li> <li>Source Files</li> <li>Stdafx.cpp</li> <li>TestApplication.cpp</li> </ul>	<b>%</b> 0	Delete All Breakpoints Ctrl+Shift+F9 Disable All Breakpoints	_TCHAR* argv[])
	I ReadMe.txt		<pre>printf("Number scanf("%d%%d",&amp; printf("%d*%d=% printf("%d*%d=% printf("%d*%d=% return 0; }</pre>	input (a/b) = "); a,&b); dWnWn", a,b,a+b); dWnWn", a,b,a-b); dWnWn", a,b,a+b); dWnWn", a,b,a/b);

If the HOST PC and DTP7H-W are connected, click "Debug -> Start Debugging".

When Debugging is completed, it will be executed automatically as shown below on the DTP7H-W screen.

ile Edit	elp	
mber input (a		

If you enter a random number and press Enter, execution is confirmed until the breakpoint is taken.



When Step Into is executed, you can confirm that the "-" operation has started after the point where the breakpoint was taken.



The subsequent tasks are the same as the application development process on the PC.

## 2.2. How to Auto Execute

When the DTP7H-W finishes booting and you want to run the application automatically, You can edit and set it to run automatically.

1) Power on DTP7H-W to boot and move to FlashDisk folder.

2) HOST PC It creates the default 'Notepad' under 'Config' in Windows.



Config.txt

3) When the "Config.txt" file is created, enter the contents of Notepad as below.

Launch1=\FlashDisk\TestApplication.exe

Organize 🔻 New	folder		0
☆ Favorites ■ Desktop	Documents library Includes: 2 locations	Arrange by: Fold	er 🔻
Downloads Content Places Libraries Documents Music Pictures	Name	Date modified 7 5/19/2014 4:38 PM F	ype ile folde
Videos			

When the input is complete, change the file name and extension name to "Config.ini" and save

The "Config.ini" file and the TestApplication.exe file that was created in '4.1 Test Application' DTP7H-W Copy to the FlashDisk folder.

\* Note: Check the path of the TestApplition.exe file in the folder where it is saved as below. TestApplition \ SDK\_CG4300\_WEC7 (ARMv4I) \ Debug \ TestApplication.exe



If copying to the FlashDisk folder is completed, the program will be executed automatically when DTP7H-W is rebooted.



## 3. Connect to DTP7H-W

To develop Visual Studio DTP7H-W Application, you need to connect Visual Studio with DTP7H-W. DTP7H-W can be used for development environment using Ethernet.

Development is possible after connection is completed by the method shown below.

#### How to connect HOST PC with DTP7H-W

HOST PC and DTP7H-W Connection Ethernet)

## 3.1. HOST PC and DTP7H-W Connection (Ethernet)

This manual explains how to build a cross-compile environment using Ethernet.

This is how to build a development environment using only DTP7H-W Ethernet.

In this case, you have to set up the connection with Visual Studio manually on the DTP7H-W side using a separate program.

If you installed Visual Studio 2008 in a folder other than the default installation folder, change the path below to match your PC. If you installed it as the default folder

There are 8 files in the path of "C: \ Program Files (x86) \ Common Files \ Common Files \ microsoft shared \ CoreCon \ 1.0 \ Target \ wce400 \ armv4i ".

			41.771.18			-
Cor	eCon ▶ 1.0 ▶ larget ▶ wce400 ▶ armv4i	▼   * <sub>j</sub>	armv4i 검색	_	_	P
구성 ▼ 🐻 열기 새 폴더				•		0
▲ 🚖 즐겨찾기	이름	수정한 날짜	유형	크기		
🐌 다운로드	Clientshutdown.exe	2009-08-03 오후	응용 프로그램		25KB	1
📃 바탕 화면	CMAccept.exe	2009-08-03 오후	응용 프로그램		28KB	
🕮 최근 위치	ConmanClient2.exe	2009-08-03 오후	응용 프로그램		82KB	
퉬 Software	S DeviceAgentTransport.dll	2009-08-03 오후	응용 프로그램 확장		43KB	
🚺 다운로드	S DeviceDMA.dll	2009-08-03 오후	응용 프로그램 확장		37KB	
	💿 eDbgTL.dll	2009-08-03 오후	응용 프로그램 확장		76KB	
▲ 詞 라이브러리	emulatorstub.exe	2009-08-03 오후	응용 프로그램		50KB	
⊳ 📾 Git	S TcpConnectionA.dll	2009-08-03 오후	응용 프로그램 확장		58KB	
<ul> <li>▶ ▲ 사진</li> <li>▶ ▲ 음악</li> <li>▲ 월 컴퓨터</li> <li>▶ ▲ 로컬 디스크 (C:)</li> <li>▶ ▲ 로컬 디스크 (D:)</li> <li>▶ ▲ 이동식 디스크 (E:)</li> <li>▶ ▲ 네트워크</li> </ul>						
8개 항목을 선택했습니다. 수	-정한 날짜: 2009-08-03 오후 12:39 만든 날짜: 2 크기: 394KB	2009-08-03 오후 12:3	9			

Copy these files to a specific folder on DTP7H-W. The location of the file copy can be anywhere, FlashDisk folder, DTP7H-W can keep the file even when it reboots.

clientshutdown.exe	2009-08-03 오후	응용 프로그램	25KB
CMAccept.exe	2009-08-03 오후	응용 프로그램	28KB
ConmanClient2.exe	2009-08-03 오후	응용 프로그램	82KB
S DeviceAgentTransport.dll	2009-08-03 오후	응용 프로그램 확장	43KB
S DeviceDMA.dll	2009-08-03 오후	응용 프로그램 확장	37KB
🚳 eDbgTL.dll	2009-08-03 오후	응용 프로그램 확장	76KB
emulatorstub.exe	2009-08-03 오후	응용 프로그램	50KB
S TcpConnectionA.dll	2009-08-03 오후	응용 프로그램 확장	58KB

Execute "ConManClient2" and "CMAccept" on DTP7H-W. There is no special change in the screen Process is running normally.

You are now ready to connect to visual Stur	010.		
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>G</u> o F <u>a</u> vorites			
Address \NandFlash			
	-	۳	۵
Documents clients CMAccept CommanC )e and Se	viceA DeviceDMA	eDbgTL emulato1	CcpConn 514c36bf- c13e-40

In Visual Studio 2008, click "Tools -> Options".

	_		
File Edit View Project Build Debug	Tool	s Test Window Help	
🔚 • 🖼 • 💕 🖌 🕼 🖊 🗛 🛍 🖉 •		Platform Builder	D1-R5.0-RI 🗸 👩 BSP_PWRBTN_IOMUX_PIN 💿 🗸 🖓 📸 🛠 🛃 🗹 👻 🚽
iW-PRDVZ-BN-01-R5.0-REL2.0-W 🔹 🖳 🚚		Windows Embedded Silverlight Tools	우 다 와 다 원 B <sup>·</sup> · ·
🗧 🔂 Device: 🚽 🖡 🖉		Remote Tools	
Solution Explorer - DTP7H_W_SerialDemon 👻		Attach to Process Ctrl+Alt+P	- X
🖺 📴 E 🖧	3a	Device Security Manager	
Solution 'DTP7H_W_SerialDemon' (1 projection)		Connect to Device	
	<u>.</u>	Device Emulator Manager	
	۹,	Connect to Database	
	1	Connect to Server	
		Code Snippets Manager Ctrl+K, Ctrl+B	a.h. "
		Choose Toolbox Items	
		Add-in Manager	(arget )
		Macros •	
		Find More Extensions	
		Create GUID	
		Dotfuscator Community Edition	
		Error Lookup	
		ATL/MFC Trace Tool	
		ILDasm	
		Spy++	String baudrate CString parity CString databit CString stophit)
		Visual Studio 2008 Command Prompt	
		WindowsEmbeddedCompact7TestKit	
	<b>.</b>	WCF Service Configuration Editor	
		External Tools	•
Solutio Catalog 🥸 Class Vi Wir		Import and Export Settings	4 m
Output		Customize	* † ×
Show output from: Platform Builder Debug		Options	
			·
4			
Code Definition Window 🔚 Call Browser 📑	Outp	ut	
Ready			Ln 3 Col 1 Ch 1 INS

\_ **D** \_X



When the following window appears, select "Device Tools -> Devices" item in the left list. If the SDK item is not displayed in the box of "Show devices for platform:" on this screen, install the SDK from the **SDK Install** item

Cancel

OK

Both "USB Connect and Ethernet Connect" use "TCP Connect Transport". After setting as above, click the "Configure" button in the "TCP Connect Transport" item.

DK_CG4300_WEC7 ARMV7 Device Properties	? ×
Default output location on device:	
Program Files Folder	•
Transport:	<u></u>
TCP Connect Transport -	Configure
Bootstrapper:	
ActiveSync Startup Provider	Configure
☑ Detect when device is disconnected	OK Cancel

Select "Use specific IP address" and enter the IP of DTP7H-W. Do not select "Use fixed port number".

When the setting is completed, click the "OK" button.

Configure TCP/IP Transport	8 ×	
<ul> <li>Use fixed port number:</li> <li>Device IP address</li> <li>Obtain an IP address autor</li> </ul>	5655 matically using ActiveSync	
Use specific IP address:		
192.168.1.191	•	
	OK Cancel	

e first screen of Visual Studio 2008, c M DTP7H W SerialDemon - Microsoft Visual Stu	lICK " Jdio (/	I OOIS >> Connect to Device".	
File Edit View Project Build Debug	Tool	s Test Window Help	
i 🛅 • 🛅 • 💕 🛃 🍠   🐰 🗈 🙈   🔊 •		Platform Builder 🔹 🕨	01-R5.0-Rf 🗸 🖄 E
iW-PRDVZ-BN-01-R5.0-REL2.0-W - 🗐 🚚 📰		Windows Embedded Silverlight Tools	99994
Device:		Remote Tools	
Solution Explorer - DTP7H_W_SerialDemon -		Attach to Process Ctrl+Alt+P	
🖺   📴   🗵 ዲ	ela:	Device Security Manager	
Solution 'DTP7H_W_SerialDemon' (1 proje	D,	Connect to Device	ile
im PTP7H_W_SerialDemon		Device Emulator Manager	
	2	Connect to Database	
	1	Connect to Server	
		Code Snippets Manager Ctrl+K, Ctrl+B	a.h "
		Choose Toolbox Items	
		Add-in Manager	[arget]
		Macros •	
		Find More Extensions	
		Create GUID	
		Dotfuscator Community Edition	
		Error Lookup	
		ATL/MFC Trace Tool	
		ILDasm	
		Spy++	String baudrate (
		Visual Studio 2008 Command Prompt	iting baddrate,
		WindowsEmbeddedCompact7TestKit	
		WCF Service Configuration Editor	
		External Tools	
Solutio Catalog 🐼 Class Vi Wir		Import and Export Settings	
Output		Customize	
Show output from: Platform Builder Debug		Options	

On tl

Select the appropriate SDK and click the "Connect" button.

To connect to a physical device or launch an emulator image, select Connect	
Platform:	
SDK_CG4300_WEC7	
Devices:	
SDK_CG4300_WEC7 ARMV7 Device	

Depending on system specifications, try about 10 to 20 seconds.





## ※ If you can not check all status

If Windows Firewall is enabled, please disable it.

Check the network cable and IP address.

# 4. Troubleshooting when setting up development environment

## 4.1. ERROR C2039

error C2039: 'IstrlenW' : is not a member of 'ATL'

1. Install VS90sp1-KB945140.exe.

Software Update Microsoft Visual Stu	dio 2008 SP1 Installation Wizard	×
Progress Installing the software,		
Download status:		
Download time remaining: 0:00:00		_
Installer progress:		
Installing VS90sp1-KB945140-X86-ENU		I
	< <u>B</u> ack <u>N</u> ext >	<u>C</u> ancel

2. Install VisualStudioDeviceWindowsEmbeddedCompact7.msi.



Configuration Properties - C/C++ - General – Additional Include Directories.

C:\Program Files (x86)\Microsoft Visual Studio 9.0\VC\ce7\atlmfc\include

C:\Program Files (x86)\Microsoft Visual Studio 9.0\VC\ce7\include

onfiguration: Active(Debug	)  Platform: Active(i	iW-PRDVZ-BN-01-R5.0-REL2.C  Configuration Manager
Common Properties	Additional Include Directorie	"C:\Program Files (x86)\Microsoft Visual Studio
Configuration Properties	Resolve #using References	
General	Debug Information Format	Program Database (/Zi)
Deployment	Suppress Startup Banner	Yes (/nologo)
C/C++	Warning Level	Level 3 (/W3)
General	Treat Warpings As From	No No
Optimization	Treat warnings As Errors	NO
Preprocessor Code Generation	Additional Include Directories	8
Language		
Outout Files		
Output rites		Proport Vicual Studio O (144)/C44co (44atimatem)
Browse Information	C:#Program Files (x86)#Mic	rosoft Visual Studio 9.0#VC#ce7#atimic#include
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