


# XP-8X4X-Atom CE6 OS Release Note,

## Version 1.0.0.0 [Mar., 18, 2011]

OS Key Features:

Features	Supported	Description
Language of OS	Yes	Windows CE 6.0 Multi-language edition <ul style="list-style-type: none"> <li>● English</li> <li>● German</li> <li>● Russian</li> <li>● French</li> <li>● Spanish</li> <li>● Japanese</li> <li>● Italian</li> <li>● Simplified Chinese</li> <li>● Traditional Chinese</li> <li>● Korean</li> <li>● Portuguese</li> </ul>
.NET Compact Framework 3.5	Yes	
SQL CE 3.5	Yes	SQL CE 3.5 (3.5.5386.0)
FTP Server	Yes	
Http Server	Yes	
Telnet	Yes	
Printer	Yes(PCL 6)	For HP Laser Jet printer on USB and Ethernet (over the network neighborhood)
Touch Panel	Yes	Support RS-232 and USB interface
Multi-Serial Module 	Yes	i-8112iW (RS-232 *2), i-8114W (RS-232 *4), i-8114iW (RS-232 *4), i-8142iW (RS-485 *2), i-8144iW (RS-485 *4) The maximum ports can be extended to 28 ( 7 slots * 4 ports/1 module max. = 28 ports)

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## Abstract

XP-8000-Atom-CE6 is the new generation Windows CE 6.0 based PACs. It is equipped with an Intel Atom Z500 Series CPU, various connectivity (VGA, USB, Ethernet, RS-232/485) and 0/1/3/7 I/O slots for high performance parallel I/O modules (high profile I-8K Series) and serial I/O modules (high profile I-87K series).

Comparing with the hardware specifications of first generation XPAC (XP-8000-CE6), it doesn't only improves the CPU performance (from 500 MHz to 1.1 MHz) and RAM performance (DDR to DDR2) but also adds many features, such as Audio, 4 USB ports, user-defined LED, etc.

The CPU type of two XPACs is x86-based and the OS is also Windows CE6.0, so all software are compatible. All old programs and applications on XP-8000-CE6 can run smoothly on XP-8000-Atom-CE6 without any modification and re-compiling. Upgrading applications only just copy and play from XP-8000-CE6 to XP-8000-Atom-CE6.

## Comparison with XP-8000-CE6 (LX800)

<b>XP-8000-LX800 &amp; XP-8000-Atom Specifications</b>			
	<b>Items</b>	<b>XP-8000-CE6</b>	<b>XP-8000-Atom-CE6</b>
Hardware	CPU	LX800 500 MHz	Atom 1.1G Hz
	Main Memory	DDR 512 MB	DDR2 512 MB
	System Disk	4G	2G
	Storage Disk (CF)	2G	2G
	USB 2.0	2	4
	Ethernet	10/100M x 2	10/100M/1G x 2
	BBSRAM	512K	
	Dual Watchdog	Yes	
	EEPROM	16K	
	VGA	800x600 1024x768 1152x864 1280x1024	800x600 1024x768 1280x720 1280x768 1400x1050
	Audio	N/A	Microphone-In Earphone-Out
	LED	Power	Power/Run/L1/L2
	Expansion Slot	0/3/7	
Platform	OS	Windows CE600 Core	

	RTOS	Yes	
	DotNet Compact Framework	3.5	
Networking	HTTPD	HTTP/HTTPS	
	FTPD	Yes(W:6M/R:9M)	Yes(W:9M/R:12M)
	Telnet	Yes	
	Remote Access	VCEP/Remote display	
Communications	RS232/RS485	16 ~ 28 Full Duplex	
Database	SQL Server	SQLCE 3.5	
Development Tool	VC	VS2008	
	VS	VS2008	

### Software compatibility with XP-8000-CE6 (LX800)

Compatibility Comparison		O: Compatible	X: Incompatible
Items	Compatibility		
OS image	X		
Rescue Disk	X		
VC/C#/VB.net programs	O		
XPacSDK_CE6 SDK <i>Since V2.0.0.5 and later</i>	O		
All DCON 8K series library	O		
XPAC utility <i>Since V1.0.2.7 and later</i>	O		
NAPOPC_CE6	O		
Tools on System_Disk	O		

XPacSDK_CE6 API compatibility		O: Work	X: Doesn't Work
API Functions	XP-8000-CE6	XP-8000-Atom-CE6	
pac_EnableLED	X	O	
The others	O	O	

**Note: The version of XPacSDK\_CE6 must be V2.0.0.5 or later**

# **OS Version 1.0.0.0 [Mar., 18, 2011]**

First Release

**XPAC SDK DLL Version 2.0.0.7 [March, 18, 2011]**

**XPAC utility Version 1.0.2.8 [Jan., 07, 2011]**

## New Software

### DCON\_Utility\_CE6: Version 1002

In previous usage for configuring the DCON modules installed on XPAC, It must run DCON\_CE on XPAC and need to install DCON utility on PC. Create a connection with two applications via Ethernet and allowed to do the configuration. DCON\_Utility\_CE6 can be run on XPAC directly and easily without the other PC software.

**Location:**

1. \System\_Disk\Tools\ DCON\_Utility\_CE6 on XPAC
2. \System\_Disk\Tools\ DCON\_Utility\_CE6 on the shipped CD

### modbus\_master\_tool: Version 100

Refer to the link below for more details

\System\_Disk\Tools\modbus\_master\_tool\version.txt on the shipped CD

**Location:**

1. \System\_Disk\Tools\modbus\_master\_tool on XPAC
2. \ System\_Disk\Tools\modbus\_master\_tool on the shipped CD

### SendToCOM: Version 1.0.0

Communication test for COM ports on XPAC and COM ports of multi-serial modules

**Location:**

1. \System\_Disk\Tools\SendToCOM on XPAC
2. \System\_Disk\Tools\SendToCOM on the shipped CD

### Notepad: Version 1028

A simple text editor for editing the text file

**Location:**

1. \System\_Disk\Tools\Notepad on XPAC
2. \System\_Disk\Tools\Notepad on the shipped CD

### VCEP: Version 4207

ICPDAS's remote desktop software for XPAC used to control the XPAC desktop remotely from PC

**Location:**

1. \System\_Disk\Tools\VCEP on XPAC
2. \System\_Disk\Tools\VCEP on the shipped CD