### Quick Start Guide for I-7188XC

July 2012, Version 1.0

### **Congratulations!**

Congratulations on purchasing I-7188XC. This Quick Start Guide will provide information needed to get started. Please also consult the User Manual for detailed information on the setup and use of I-7188XC.

#### What's In the Box?

In addition to this guide, the package includes the following items:









I-7188XC

Software Utility CD

RS-232 Cable (CA-0910F)

Screw (1C016)

#### **Technical Support**

- 7188XC\_Manual\_English.pdf/7188XC\_Manual\_Chinese.pdf
   CD:\Napdos\7188XABC\7188XC\Document
   <a href="http://ftp.icpdas.com/pub/cd/8000cd/napdos/7188xabc/7188xc/document/">http://ftp.icpdas.com/pub/cd/8000cd/napdos/7188xabc/7188xc/document/</a>
- I-7188XC Website
   <a href="http://www.icpdas.com/products/PAC/i-7188\_7186/i-7188xc.htm">http://www.icpdas.com/products/PAC/i-7188\_7186/i-7188xc.htm</a>
- ICP DAS Website http://www.icpdas.com/

Software Installation

- Step 1: Insert the companion CD into the CD drive.
- Step 2: Copy the 7188XC folder from CD:\Napdos\7188XABC\ to the Hard Drive of the Host PC.

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Step 3: Install the MiniOS7 Utility.

Locate and execute the **minios7\_utility\_vXXX.exe** file from CD:\NAPDOS\MINIOS7\UTILITY\MiniOS7\_utility\ folder or http://ftp.icpdas.com/pub/cd/8000cd/napdos/minios7/utility/minios7\_utility/

Step 4: Copy the **7188xw.exe** file from the CD:\Napdos\MiniOS7\utility\ folder to the PATH directory, for example **C:\Windows\**.

After all the software is copied to the Host PC, the content of 7188XC folder should be as follows:



**Note:** The 7188xw.exe file is used as a bridge between the I-7188XC(D) and the Host PC. Therefore, the 7188xw.exe file must be copied to the "C:\Windows\" folder to allow it to be executed from any location.

# 2 ------Connecting the Download Cable to the Host PC

- Step 1: Connect the CA0910F download cable between COM1 of the I-7188XC(D) and the COM Port of the Host PC, as shown in the diagram below.
- Step 2: Apply power (Vs+, GND) to the I-7188XC(D). Vs+ can be in a range from +10V to +30V DC.



Step 3: After applying the power, the 5-digits of the 7-SEG LED will continuously show as follows.



If the non-display version of module is being used, please continue to the next step.

Step 4: Check that the red LED continuously blinks one times and wait for one second to next cycle. The diagram show as follows:



Note: Only the display version of the module will include a 5-digit 7-SEG LED.

## **3** Downloading Programs to the I-7188XC(D)

Before using the MiniOS7 Utility, ensure that the download cable is connected from the Host PC to the I-7188XC(D) and ensure that no other programs are running on the I-7188XC(D).

The program download procedure is as follows:

Step 1: From the Windows START menu, go to Programs/ICPDAS/MiniOS7 Utility Ver XXX/and locate the **MiniOS7 Utility Ver XXX**.

M ICPDAS 🛗 MiniOS7 Utility Ver 3.11 🔸 🚵 MiniOS7 Utility Ver 3.11 😭 MiniOS7 Utility Ver 3.11 Manual 🛃 Uninstall

Step 2: Press and Select "New connection". Choose the right COM port and set other parameters. Click **OK** button and the utility will search module automatically.

	File	Connection 🔫 🚸	Command	Configuration
	Look in: Name 7188-	<u>New connection</u> Last Connection <u>D</u> isconnect Search	F2 Alt+F2 Ctrl+F2 F12	Size Type
2	Connection Histor Connection Histor COM1 Serial Port Baud Rate: 11 Data Bit: 8 Parity: 0( Stop Bit: 1	I5200 View None) View View	TCP/UD IP: 1 Port: 1	P 32.168.255.1

Step 3: See if the MiniOS7 Utility connects with I-7188XC. The connected icon is



disconnected icon is

Look in: 🛅 MiniOS7_Utility		O Ø Ø		Lock in: Disk A	×	
Name bin FIRMWARE OS_IMAGE icpdas load232.dll MiniOS7_Utility.chm MiniOS7_Utility.chm MiniOS7_Utility.ini uart.dll unins000.dat unins000.exe	Size 1KB 88KB 1,025KB 2,094KB 3KB 56KB 9KB 662KB	Type File Folder File Folder File Folder 網際網路捷徑 應用程式擴充 已編譯的 HTML H 應用程式 組態設定値 應用程式 DAT File 應用程式	No	Name See here to status.	Size	ction

Step 4: Select the file to load from left side and click draw the file to the right side.

Upload(F5) to load file into module or



Step 5: Select the file and then press the right mouse button. Choose the **Run** and press to execute the program.

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<u>&lt;</u>	2.00						

Step 6: The result of the program will be shown in 7188xw window.

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lame	Size	Туре	No	Name		Size	Modifi
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NOTE: The 7188xw window has to be closed and then the download operation (Step 4) could be done.

The content of the Hello.c file is as follow:

```
#include "7188xc.h" /* Include the headers to use 7188xcl.lib
functions */
void main(void)
{
InitLib(); /* Initiate the 7188xc library */
Print("Hello world!\r\n"); /* Print the message on the screen */
```