

BoneID Embedded SDK

(uTouch .NET communication SDK)

For TCP/IP communication between
Windows based PC and uTouch with
BoneID Embedded

1 Introduction

This SDK handles communication between PC and uTouch device running BoneID Embedded (v1.5 or later) over TCP/IP protocol.

CN8TcpComm.dll is main library compiled with .NET Framework 4.0 and is available in AnyCPU build.

CN8 Tool.exe is demonstrational application that covers all available methods. It also generates encrypted challenge code required in process of developer licensing described in section 2.

CN8 Comm SDK is complete source code of **CN8 Tool.exe** for better understanding of all available methods.

2 Licensing

Licensing is per design time instance, while run time is not licensed. Meaning, single license is valid for only one developer's PC with Visual Studio installed, but you may distribute your final work on unlimited number of PC's without any restrictions.

Using SDK without appropriate license file is not permitted.
License is not transferrable to another PC.

To obtain valid license file you must follow these steps:

1. Start "CN8 Tool" on PC with Visual Studio installed
2. Go to tab "SDK"
3. Press button "Get SDK Challenge"
4. Send back to your vendor an e-mail containing challenge code
5. Once you receive back an e-mail from your vendor with **response.txt** file, you have to import that file into your project resources (drag and drop **response.txt** file into "Resources" tab of project properties, or create txt file in "Resources" and copy/paste content of **response.txt** file)

Table of contents

1	Introduction	1
2	Licensing.....	1
3	CN8TcpComm Namespace.....	2
3.1	CN8Client Class	2
3.1.1	Properties	2
3.1.2	Methods	2
3.1.3	Events	3
4	CN8TcpComm.Data Namespace.....	4
4.1	CN8 Class	4
4.1.1	Methods	4
4.1.2	Enums	4
4.2	CN8Card Class.....	8
4.2.1	Init	8
4.2.2	Properties	8
4.3	CN8Template Class	8
4.3.1	Init	8
4.4	CN8TimeZone Class.....	8
4.4.1	Init	8
4.4.2	Properties	8
4.5	CN8Transaction Class.....	9
4.5.1	Init	9
4.5.2	Properties	9
4.6	CN8User Class	9
4.6.1	Init	9
4.6.2	Properties	9
4.7	CN8DataCards Class	9
4.7.1	Description.....	9
4.7.2	Properties	9
4.8	CN8DataInt32 Class.....	10
4.8.1	Description.....	10
4.8.2	Properties	10
4.9	CN8DataRelayGPIO Class.....	10
4.9.1	Description.....	10
4.9.2	Properties	10
4.10	CN8DataString Class.....	10
4.10.1	Description.....	10

4.10.2	Properties	10
4.11	CN8DataTemplates Class.....	10
4.11.1	Description.....	10
4.11.2	Properties	10
4.12	CN8DataTransactions Class	11
4.12.1	Description.....	11
4.12.2	Properties	11
4.13	CN8DataUInt32 Class	11
4.13.1	Description.....	11
4.13.2	Properties	11
4.14	CN8DataUser Class.....	11
4.14.1	Description.....	11
4.14.2	Properties	11
4.15	CN8DataUsers Class	11
4.15.1	Description.....	11
4.15.2	Properties	11
4.16	CN8DataUshortList Class	12
4.16.1	Description.....	12
4.16.2	Properties	12
4.16.3	Job codes	12
5	Changelog.....	13