Unified Automation GmbH
An der Kaufleite 34
D-90562 Kalchreuth

Unified Automation Software License Agreement

Grant of License: _____

SOFTWARE: _____

Name (Developer, ProductURI): _____

for the use of the above Unified Automation SOFTWARE product
between: and Licensee (you):

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Germany

Represented by its Executive Director   Represented by
Uwe Steinkrauss

_____   _____
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Signature   Date   Signature, Stamp   Date

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- OPC UA ANSI C Stack (Unified Automation Edition)
- OpenSSL

- LibXML2
- WCELIBCEX (used in AnsiC-Stack Platform Layer for WindowsCE only)
- WCECOMPAT (used in OpenSSL for WindowsCE only, requires dynamic linking)
- Bouncy Castle Crypto API
- C-ARES async address resolver
- ICU4C Unicode Library (minimum Windows 7)
- JSMN a lightweight JSON parser in C
- MQTT-C a light weight MQTT client library in C
- Eqlipse Mosquitto a MQTT C-Client Library

Overview on used third party components:

	AnsiC Stack	Open SSL	Lib XML2	JSMN	MQTT	WCE LIBCEX	WCE COMPAT	C-ARES	ICU4 C	Bouncy Castle
HP C SDK	-	o	-	o	o	-	-	-	-	-
ANSI C SDK	m	o (1)	-	o	o	o (3)	o (4)	-	-	-
C++ SDK	m	o (1)	o	o	o	o (3)	o (4)	-	-	-
.NET SDK	-	o (2)	-			-	-	-	-	o (5)
UaModeler	-	-	-	-	-	-	-	-	o	-
UaGateway	m	m	m	m	m	-	-	-	-	-
UaExpert	m	m	m	m	m	-	-	-	-	-
UaGDS	-	m	-	-	-	-	-	m	m	-

m=mandatory; o=optional; -=not used; (1) recommended on Windows; (2) used by certificategenerator.exe; (3) used to compile SDK for WindowsCE only; (4) used to compile OpenSSL for WindowsCE only, requires dynamic linking of OpenSSL; (5) only required for .NET Core/Standard and latest UASecurityProfiles

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4 WCELIBCEX

The Windows platform layer of the Ansi C Stack can be configured to run on Windows CE, but than requires WCELIBCEX: The WCELIBCEX is a package of C library extensions for Windows CE operating system. It is a supplement to standard C library available on Windows CE system. This extensions library is needed to fully support OPC UA SDK functionality.

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5 WCECOMPAT

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6 Bouncy Castle Crypto API

The Bouncy Castle Crypto package is a C# implementation of cryptographic algorithms and protocols, it was developed by the Legion of the Bouncy Castle, a registered Australian Charity, with a little help! The

Legion, and the latest goings on with this package, can be found at https://www.bouncycastle.org. In addition to providing basic cryptography algorithms, the package also provides support for CMS, TSP, X.509 certificate generation and a variety of other standards such as OpenPGP.
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7 C-ARES

c-ares is a C library for asynchronous DNS requests (including name resolves), C89 compatibility, MIT licensed, builds for and runs on POSIX, Windows, Netware, Android and many more operating systems.

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8 ICU4C – Unicode Library

The C and C++ languages and many operating system environments do not provide full support for Unicode and standards-compliant text handling services. Even though some platforms do provide good Unicode text handling services, portable application code can not make use of them. The ICU4C libraries fills in this gap. ICU4C provides an open, flexible, portable foundation for applications to use for their software globalization requirements. ICU4C closely tracks industry standards, including Unicode and CLDR (Common Locale Data Repository). The ICU license is intended to allow ICU to be included both in free software projects and in proprietary or commercial products. Since ICU 58, ICU is covered by the Unicode license which is very similar to the previous ICU license.

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9 JSMN – JSON parser in C

jsmn (pronounced like 'jasmine') is a minimalistic JSON parser in C. It can be easily integrated into
resource-limited or embedded projects. Most JSON parsers offer you a bunch of functions to load JSON
data, parse it and extract any value by its name. jsmn proves that checking the correctness of every JSON
packet or allocating temporary objects to store parsed JSON fields often is an overkill.

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10 MQTT-C – JSON parser in C

MQTT-C is an MQTT v3.1.1 client written in C. MQTT is a lightweight publisher-subscriber-based messaging protocol that is commonly used in IoT and networking applications where high-latency and low data-rate links are expected. The purpose of MQTT-C is to provide a portable MQTT client, written in C, for embedded systems and PC's alike.

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11 MQTT – Eclipse Mosquitto

Eclipse Mosquitto is an open source (EPL/EDL licensed) message broker that implements the MQTT protocol versions 5.0, 3.1.1 and 3.1. Mosquitto is lightweight and is suitable for use on all devices from low power single board computers to full servers. The MQTT protocol provides a lightweight method of carrying out messaging using a publish/subscribe model. This makes it suitable for Internet of Things messaging such as with low power sensors or mobile devices such as phones, embedded computers or microcontrollers. The Mosquitto project also provides a C library for implementing MQTT clients, and the very popular mosquitto_pub and mosquitto_sub command line MQTT clients.
Mosquitto is part of the Eclipse Foundation, is an iot.eclipse.org project and is sponsored by cedalo.com.

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