Johnson Controls Inc.

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Product name	IDX-4000
Version	41.12_00
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Open source software Components

Component Name	Version	License
alsa-topology-conf	1.2.4	BSD-3-Clause
alsa-ucm-conf	1.2.4-1	BSD-3-Clause
alsa-utils	1.2.4	GPL-2.0-or-later
alsa-utils	1.2.4-1	GPL-2.0-or-later
binutils		GPL
bootlogd	2.88dsf-59.9	GPlv2
BusyBox	1.33.2	GPL
ca-certificates	20210119-1	MPL-2.0
ca-certificates-mozilla-prebuilt	2.44	MPL-2.0
cJSON	Intermediate	MIT
crontabs	1.11	Public Domain and GPLv2
curl	7.81.0	MIT
dosfstools	4.2-r0	GPL-3.0-or-later
dropbear	2017.75-7	MIT
Dropbear SSH	2020.81	MIT
eudev	3.2.10-r0	GPL-2.0-only
FatFS	Intermediate	BSD
kubic-locale-archive	2.32	GPL-2.0+ AND MIT AND LGPL-2.1+
lib32-libwrap	7.6.24-3	BSD
libarchive	3.5.2	BSD
libasound2	1.2.4	LGPL-2.1-or-later
libatopology2	1.2.5.1	LGPL-2.1-or-later
libblkid1	2.37.2	LGPL-2.1-or-later
libbz2	1.0.8-r1	bzip2-1.0.6
libc6-armhf-cross	2.31-9cross4	EPI-1.0
libcap2	2.43	BSD-3-Clause AND GPL-2.0-only

libcurl	Intermediate	MIT
libcurl4	7.80.0-1	MIT
libevtlog0	0.2.13	BSD-3-Clause
libgcc_s1-gcc7	7.5.0+r278197	GPL-3.0-with-GCC-exception
libidn2-0	2.3.0	GPL-2.0-or-later OR LGPL-3.0-or-later
libiniparser1	4.1	MIT
libjson-c5	0.15	MIT
libkmod2	25	LGPL-2.1-or-later
libkmod2	28	LGPL-2.1-or-later
liblzma5	5.2.5	SUSE-Public-Domain
liblzo2-2	2.10	GPL-2.0+
libmxml1	2.10	LGPL-2.1+
libpaho-mqtt1	1.3.1	EPL-1.0 AND BSD-3-Clause
libpam	1.5.1-1	BSD-3c GPL
libprotobuf-c1	1.3.2	BSD-3-Clause
libsamplerate0	0.1.9	BSD-2-Clause
libsamplerate-progs	0.1.9	BSD-2-Clause
libsndfile1	1.0.31-2	LGPI2.1
libsodium23	1.0.18	ISC
libstdc++6	10.2.1+git1030	GPL-3.0-with-GCC-exception
libubootenv0.1	0.3.2-0.1	GPL 2.0
libubootenv-tool	0.3.2-0.1	LGPI2.1
libunistring	0.9.10-1	GPL-3.0
libzmq-curve	4.3.3-2	GPL-3.0-or-later
libzstd1-32bit	1.4.9	BSD-3-Clause AND GPL-2.0-only
Linux Kernel	5.10.72	GPL
ncurses	6.2.20200212	MIT
OpenSSH		BSD

OpenSSL	3.0.2	Apache-2.0
pam_cap-32bit	2.26	BSD-3-Clause or GPL-2.0
shadow-logoutd	4.8.1-3	BSD-3-Clause
strace	5.12-r0	BSD-3-Clause
sysvinit-core	2.93-8	GPL 2.0
terminfo-base	6.1	MIT
timezone-java	2021e	BSD-3-Clause AND SUSE-Public-Domain
Tzdata	2021.4	Apache-2.0
Udev	215-17+deb8u7	GPL 2.0
udev-mini	234	GPL-2.0-only
util-linux	2.37.2	GPLv2
uwsgi-emperor_zeromq	2.0.19.1	Apache-2.0 AND GPL-2.0-only WITH GCC-exception-2.0
Vsftpd	3.0.3	GPL
zeromq-tools	4.3.3	LGPL-3.0-or-later
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complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling

it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal

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To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is

modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original

author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot

effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that

any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser

General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use

this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a

combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the

entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General

Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages

are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain

special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes

a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free

library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free

software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of

free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is

linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a

"work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs

(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the

Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a

portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means

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- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses

the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that,

in the event an application does not supply such function or table, the facility still operates, and performs whatever part of

its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the

application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must

be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library,

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sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based

on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the

entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to

exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of

a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do

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that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form

under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which

must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the

source code from the same place satisfies the requirement to distribute the source code, even though third parties are not

compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or

linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and

therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it

contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a

derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be

linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative

work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a

work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit

modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the

copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever

changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked

with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the

user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood

that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application

to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a

copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2)

will operate properly with a modified version of the library, if the user installs one, as long as the modified version is

interface-compatible with the version that the work was made with.

- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above

specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for

reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is

normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on

which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally

accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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bzip2-1.0.6

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Julian Seward, jseward@bzip.org bzip2/libbzip2 version 1.0.6 of 6 September 2010

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GCC-Class path-Exception 3.0

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Version 3.1, 31 March 2009

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