



DATA DISPLAY GROUP

Artista Software Development Kit (SDK)

Artista Software Development Kit (SDK)

Mit dem Artista Software Development Kit (SDK) für Windows und Linux Systemumgebungen lassen sich Artista TFT Controller einfach in bestehende oder neue Anwendungen integrieren. Das SDK stellt in Bibliotheken eine umfangreiche Sammlung von Funktionsaufrufen für Artista Controller zur Verfügung (z.B. für die Bildübertragung, das Ein- und Ausschalten des Bildschirms, die Einstellung der Bildschirmhelligkeit). Detailkenntnisse der Hardware sind zum programmieren nicht erforderlich. Im Kaufpreis ist eine Supportpaket für 30 Tage sowie ein Softwareupdate für 1 Jahr, jeweils ab Lieferdatum enthalten.

With the Artista Software Development Kit for Windows or LINUX system environments, customers can easily integrate Artista TFT Controller into their applications. The SDK offers libraries with comprehensive function calls for Artista Controllers (i.e. to transfer images, to switch the backlight on/off, to set the display brightness). There is no need for the programmer to deal with hardware details. The total purchase price includes a support package for 30 days and a free software update for 1 year, each starting with the day of delivery.

Bestellinformation:

| | | |
|---------------|---|-----------|
| SW-01-008R1.1 | Artista SDK für Windows inklusive 30 Tage Support, 1 Jahr Softwareupdate | 1.950.- € |
| SW-01-012 | Artista SDK für Linux (Quellcode) inklusive 30 Tage Support, 1 Jahr Softwareupdate | 1.950.- € |
| DL-01-001 | Gold Level Support 6 Monate, 24h Reaktionszeit an Arbeitstagen | 2.690.- € |

Order Information:

| | | |
|---------------|---|------------------------|
| SW-01-008R1.1 | Artista SDK for Windows 30 day support included, 1 year free software update | 1.950.- € / \$ 2.630.- |
| SW-01-012 | Artista SDK for Linux (Source code) 30 day support included, , 1 year free software update | 1.950.- € / \$ 2.630.- |
| DL-01-001 | Gold Level Support 6 months, 24h response time on work days | 2.690.- € / \$ 3.630.- |

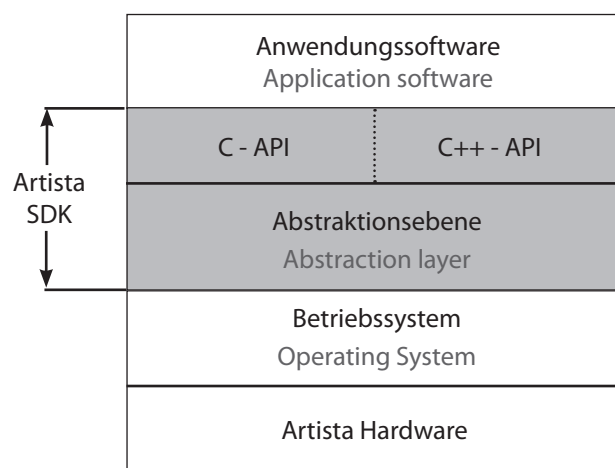
Was leistet der SDK

What does the SDK offer

- Der SDK schließt die Lücke zwischen der Anwendungssoftware und der Artista Hardware.
- The SDK closes the gap between the application software and the Artista hardware.
- Der SDK enthält eine umfangreiche Dokumentation und Beispielprogramme.
- The SDK is well documented and contains programming samples.
- Der SDK enthält ein API (Application Programming interface) für Artista Controller.
- The SDK includes a high level API (Application Programming interface for Artista Controller.
- Der SDK hat eine C und eine C++ Schnittstelle für die Anwendungssoftware.
- The SDK offers a C and a C++ interface for application software.
- Der SDK enthält dlls und statische Bibliotheken für dynamisches oder statisches Linken.
- The SDK includes dlls and static libraries for dynamic and static linking.

Die vollständige Dokumentation ist im Download-Bereich von www.distec.de verfügbar.

The complete documentation is available in the download section at www.distec.de



SDK, grundlegende Struktur
 SDK, basic structure

Vorteile

Advantages

- Schnelle und einfache Integration von Artista Controllern in bestehende oder neue Kundenanwendungen.
- Fast and easy integration of Artista Controllers into existing or new customer application.
- Das API ist für die TFT Controller ArtistaNET und ArtistaUSB identisch.
- Identical API for the ArtistaNET and ArtistaUSB TFT Controllers.
- Effiziente Produktevaluierung durch schnelles Prototyping
- Efficient product evaluation through rapid prototyping.
- Betriebssystemunabhängige Entwicklung der Anwendungssoftware durch identisches API für Windows und Linux.
- Platform independent development of application software with identical API for Windows and Linux.
- Zeit- und kostensparende Softwareentwicklung durch High Level API
- Time- and costsaving software development through high level API
- Bei einer Hardware- oder Firmwareänderung der Artista Controller muss die Anwendungssoftware nicht angepasst werden (Abstraktionsebene).
- No need to adapt the application software if the firmware or hardware of the Artista Controllers has been changed (abstraction layer)

Tools und Systemvoraussetzungen

Tools and system requirements

Windows:

Supported Software Development Tools

Wir liefern MS VS 2005 Projekt- und Solution-Dateien. Der SDK kann auch mit früheren oder späteren Versionen von Visual Studio oder anderen Windows C Compilern genutzt werden. Die SDK Bibliothek steht als compilierte Datei, die C++ Bibliothek im Sourcecode zur Verfügung .

Systemanforderungen

Windows 7, Windows XP mit Service Pack 3, Windows Vista mit Service Pack 1 oder Windows 2003 Server mit Service Pack 2.

Supported Software Development Tools

We are providing MS VS 2005 project and solution files. The SDK can also be used with earlier or later versions of Visual Studio or with other Windows C compilers. The SDK library is prepared for standard C linkage, the C++ library is provided as source code.

System requirements

Windows 7, Windows XP with Service Pack 3, Windows Vista with Service Pack 1 or Windows 2003 Server with Service Pack 2.

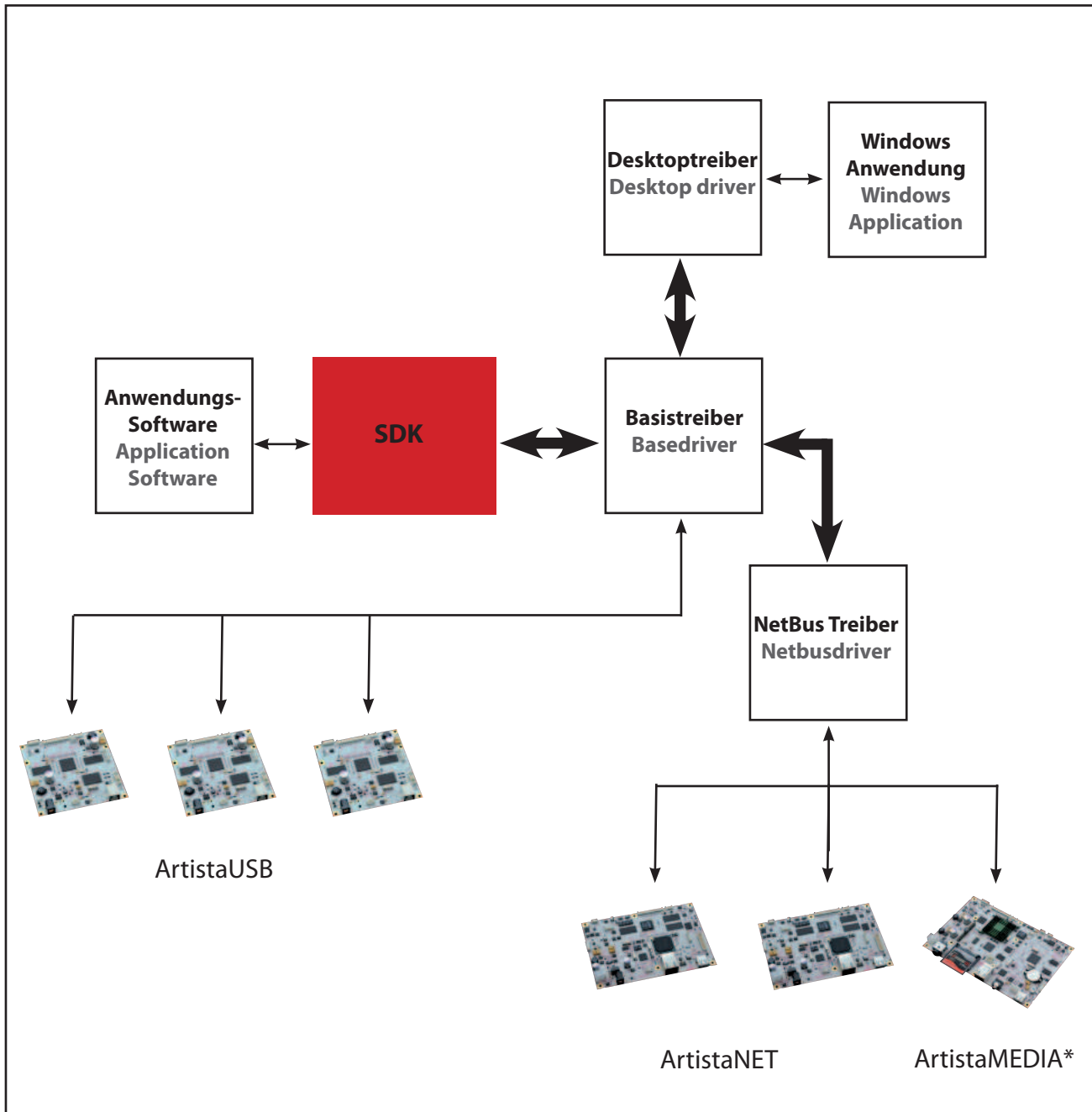
Linux:

Der Artista Linux SDK wird als „autotools source code distribution“ geliefert und ist für eine breite Palette von Linux-Systemen verwendbar. Der Artista Linux SDK ist mit Kubuntu 8.04 auf einer x86 Plattform getestet.

The Artista Linux SDK is provides as autotools source code distribution for a wide range of Linux systems. The Artista Linux SDK is tested with Kubuntu 8.04 on x86 platform.

Softwarestruktur für Windows

Software structure for Windows

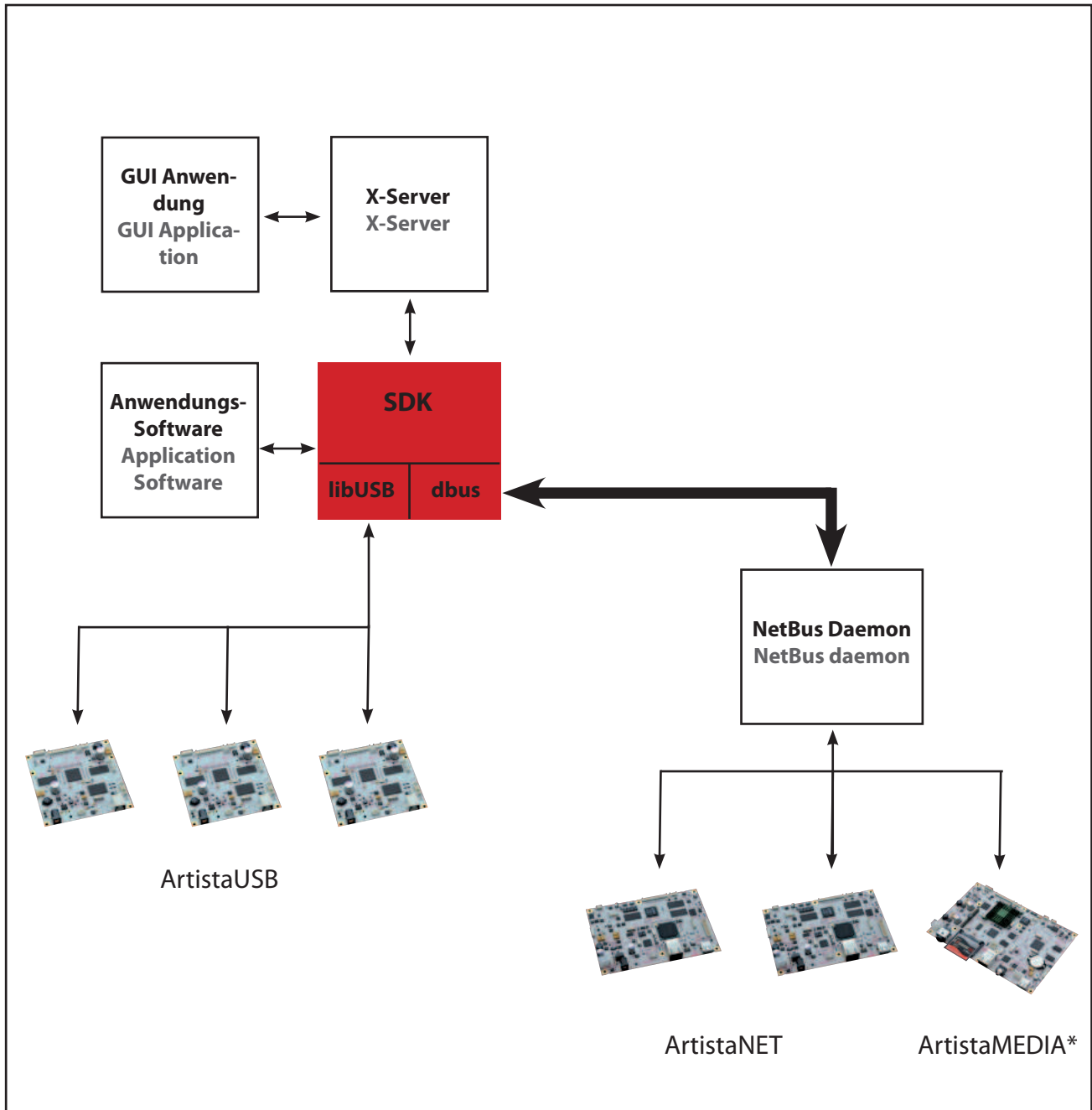


* Verfügbare Funktionen für ArtistaMEDIA: Video-Upload, Bildschirm ein/aus und Einstellung der Bildschirmhelligkeit.

*Available functions for ArtistaMEDIA: Video upload, panel on/off, brightness control.

Softwarestruktur für Linux

Software structure for Linux



* Verfügbare Funktionen für ArtistaMEDIA: Video-Upload, Bildschirm ein/aus und Einstellung der Bildschirmhelligkeit.

* Available functions for ArtistaMEDIA: Video upload, panel on/off, brightness control.

ArtistaSDK COMMERCIAL LICENSE AGREEMENT
Agreement version 1.0

IMPORTANT-READ CAREFULLY:

1. This ArtistaSDK Commercial License Agreement („Agreement“) is a legal agreement between between you (either an individual or a legal entity) („Licensee“) and Data Display GmbH („Data Display“) for the Data Display ArtistaSDK software product(s) accompanying this Agreement, which include(s) computer software and may include „online“ or electronic documentation, associated media, and printed materials, including the source code, example programs and the documentation („Licensed Software“).
2. The Licensed Software is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The Licensed Software is licensed, not sold.
3. By installing, copying, or otherwise using the Licensed Software, Licensee agrees to be bound by the terms of this Agreement. If Licensee does not agree to the terms of this Agreement, Licensee may not install, copy, or otherwise use the Licensed Software. Licensee may, however, return it to Licensee’s place of purchase within 14 days of purchase for a full refund. In addition, by installing, copying, or otherwise using any updates or other components of the Licensed Software that Licensee receives separately as part of the Licensed Software („Updates“), Licensee agrees to be bound by any additional license terms that accompany such Updates, if any. If Licensee does not agree to the additional license terms that accompany such Updates, Licensee may not install, copy, or otherwise use such Updates.
4. Upon Licensee’s acceptance of the terms and conditions of this Agreement, Data Display grants Licensee the right to use the Licensed Software in the manner provided below.
5. Data Display grants to Licensee a non-exclusive, non-transferable, perpetual license to make, use and modify copies of the Licensed Software within Licensee’s organization for the sole purposes of designing, developing, and testing Licensee’s software product(s), which may include the Licensed Software („Application(s)“). Modified Licensed Software shall be considered as Licensed Software for the purposes of this Agreement.
6. Licensee may install copies of the Licensed Software on an unlimited number of computers.
7. Verification: Data Display or a certified auditor on Data Display’s behalf, may, upon its reasonable request and at its expense, audit Licensee with respect to the use of the Licensed Software. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee’s place of business. Any such in-person audit shall be conducted during regular business hours at Licensee’s facilities and shall not unreasonably interfere with Licensee’s business activities. Data Display will not remove, copy, or redistribute any electronic material during the course of an audit. Licensee does not implicitly grant Data Display any form of license agreement. If an audit reveals that Licensee is using the Licensed Software in a way that is in material violation of the terms of the Agreement, then Licensee shall pay Data Display’s reasonable costs of conducting the audit. In the case of a material violation, Licensee agrees to pay Data Display any amounts owing that are attributable to the unauthorized use. In the alternative, Data Display reserves the right, at Data Display’s sole option, to terminate the licenses for the Licensed Software.
8. The Licensed Software may provide links to third party libraries or code (collectively „Third Party Libraries“) to implement various functions. Third Party Libraries do not comprise part of the Licensed Software. In some cases, access to Third Party Libraries may be included along with the Licensed Software delivery as a convenience for development and testing only. Such source code and libraries are or may be documented in the Licensed Software where the Third Party Libraries are used, as may be amended from time to time, do not comprise the Licensed Software. Licensee acknowledges (1) that some Third Party Libraries may require additional licensing of copyright and patents from the owners of such, and (2) that distribution of any of the Licensed Software referencing any portion of a Third Party Library may require appropriate licensing from such third parties.

GENERAL TERMS THAT APPLY TO APPLICATIONS AND REDISTRIBUTABLES

9. Data Display grants Licensee a non-exclusive, royalty-free right to reproduce and distribute the object code form of certain portions of the Licensed Software („Redistributables“), as specified in Appendix 1, Section 1, for execution on any operating system as specified in Appendix 2 („Platforms“). Copies of Redistributables may only be distributed with and for the sole purpose of executing Applications permitted under this Agreement that Licensee has created using the Licensed Software. Under no circumstances may any copies of Redistributables be distributed separately. This Agreement does not give Licensee any rights to distribute any of the parts of the Licensed Software listed in Appendix 1, Section 2, neither as a whole nor as parts or snippets of code.

10. The license granted in this Agreement for Licensee to create Applications and distribute them and the Redistributables (if any) to Licensee's customers is subject to all of the following conditions: (i) all copies of the Applications Licensee creates must bear a valid copyright notice, either Licensee's own or the copyright notice that appears on the Licensed Software; (ii) Licensee may not remove or alter any copyright, trademark or other proprietary rights notice contained in any portion of the Licensed Software; (iii) Redistributables, if any, shall be licensed to Licensee's customer „as is“; (iv) Licensee will indemnify and hold Data Display, its related companies and its suppliers, harmless from and against any claims or liabilities arising out of the use, reproduction or distribution of Applications; (v) Applications must be developed using a licensed, registered copy of the Licensed Software; (vi) Applications must add primary and substantial functionality to the Licensed Software; (vii) Applications may not pass on functionality which in any way makes it possible for others to create software with the Licensed Software; (viii) Applications may not compete with the Licensed Software; (ix) Licensee may not use Data Display's or any of its suppliers' names, logos, or trademarks to market Application(s), except to state that Application was developed using the Licensed Software.
11. Warranty Disclaimer: The Licensed Software is licensed to Licensee „as is“. To the maximum extent permitted by applicable law, Data Display on behalf of itself and its suppliers, disclaims all warranties and conditions, either express or implied, including, but not limited to, implied warranties of merchantability, fitness for a particular purpose, title and non-infringement with regard to the Licensed Software.
12. Limitation of Liability: If, Data Display's warranty disclaimer notwithstanding, Data Display is held liable to Licensee, whether in contract, tort or any other legal theory, based on the Licensed Software, Data Display's entire liability to Licensee and Licensee's exclusive remedy shall be, at Data Display's option, either (A) return of the price Licensee paid for the Licensed Software, or (B) repair or replacement of the Licensed Software, provided Licensee returns to Data Display all copies of the Licensed Software as originally delivered to Licensee. Data Display shall not under any circumstances be liable to Licensee based on failure of the Licensed Software if the failure resulted from accident, abuse or misapplication, nor shall Data Display under any circumstances be liable for special damages, punitive or exemplary damages, damages for loss of profits or interruption of business or for loss or corruption of data. Any award of damages from Data Display to Licensee shall not exceed the total amount Licensee has paid to Data Display in connection with this Agreement.
13. Support and Updates: Licensee will be eligible to receive email based software developer support („Support“) for a period not to exceed 30 days and access to Updates to the Licensed Software („Updates“) for a period not to exceed 1 year from the date of initial delivery („Initial Term“), in accordance with Data Display's then current policies and procedures, if any. Such policies and procedures may be changed from time to time. Following the Initial Term, Data Display will no longer make the Licensed Software available to Licensee unless Licensee purchases additional Support and Updates according to section 14 below.
14. Renewal of Support and Updates: Licensee may purchase additional Support and Updates following the Initial Term at Data Display's terms and conditions applicable at the time of renewal.

GENERAL PROVISIONS

15. Marketing: Data Display may include Licensee's company name and logo in a publicly available list of Data Display's customers.
16. No Assignment: Neither this Agreement nor Licensee's rights under this Agreement are assignable or transferable by Licensee either in whole or in part to any third party without Data Display's written consent. Any attempted assignment or transfer in violation of the foregoing shall be void. Data Display may assign or transfer this Agreement to any third party who acquires substantially all of Data Display's copyrights in and to the Licensed Software.
17. Termination: Data Display may terminate the Agreement at any time immediately upon written notice by Data Display to Licensee if Licensee breaches this Agreement, fails to pay the fees for the Licensed Software, or infringes Data Display's intellectual property in or to the Licensed Software. Upon termination of the Licenses, Licensee shall return to Data Display all copies of Licensed Software that were supplied by Data Display. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Data Display a written confirmation that this has occurred.
18. Clauses that survive termination: Sections 2, 5, 6, 7, 8, 12, 19, 20 and 21 shall survive the termination of this Agreement, however Sections 5 and 6 shall not survive if the Agreement is terminated for cause.
19. Entire Agreement: This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein. No modification of this Agreement will be effective unless contained in a writing executed by an authorized representative of

each party. No term or condition contained in Licensee's purchase order will apply unless expressly accepted by Data Display in writing. If any provision of the Agreement is found void or unenforceable, the remainder will remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

20. Confidentiality: Each party acknowledges that during the Initial Term of this Agreement it will have access to information about the other party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other party, and the value of which would be significantly reduced if disclosed to third parties (the „Confidential Information“). Accordingly, when a party (the „Receiving Party“) receives Confidential Information from another party (the „Disclosing Party“), the Receiving Party shall, and shall obligate its employees and agents and employees and agents of its affiliates to: (i) maintain the Confidential Information in strict confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each party shall take reasonable measures to protect the Confidential Information of the other party, which measures shall not be less than the measures taken by such party to protect its own confidential and proprietary information. „Confidential Information“ shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by the Receiving Party or by persons who have not had access to the Confidential Information of the Disclosing Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means. The obligations of the Receiving Party under this Section shall continue during the Term and for a period of twelve (12) months after expiration or termination thereof; provided, however, that with respect to trade secret information, the obligations of the Receiving Party under this Section shall continue as long as such information remains a trade secret under applicable law.
21. Governing law, legal venue: This Agreement shall be construed, interpreted and governed by the laws of Germany, the legal venue to be Munich City Court („Amtsgericht“). Data Display reserves all rights not specifically granted in this Agreement.

Appendix 1:

1. Parts of the Licensed Software that are permitted for distribution („Redistributables“):

- The Licensed Software's main and plug-in libraries in object code form

2. Parts of the Licensed Software that are not permitted for distribution include, but are not limited to:

- The Licensed Software's source code and header files

- The Licensed Software's documentation

Appendix 2 (Plattformen):

Windows Linux (please mark with a cross)

Organisation

Title

Name

Signature