

Draco tera – Tera Tool

Release Notes

System Requirements
Microsoft Windows <ul style="list-style-type: none"> Windows 7, Windows 8, Windows 8.1, Windows 10 Free memory of 512 MB recommended OS X <ul style="list-style-type: none"> OSX 10.12 (Sierra) or higher Free memory of 512 MB recommended Intel Platform Java <ul style="list-style-type: none"> The Oracle Java Runtime Environment (JRE) 1.8.x, is the minimum version required. However, we strongly recommend the last version of Oracle Java 1.8 update 152, or the latest Oracle Java 9. (http://www.java.com)

Changes		
Date	Version	Change
2019-04-17	3.6.5.0	Features and enhancements: <ul style="list-style-type: none"> Support of MODGPIO module Support of EZTDLMSD update Optional acoustic error notification for SYSLOG and SNMP Improvements: <ul style="list-style-type: none"> Configuration Report: Added Extender Modules Save Status: Added app.log, CPU trace and i/o update.log IPCPU: Added WEB-Mode 576 Matrix: Matrix and extender firmware can be updated over one connection (Master CPU) Update – Extender Firmware\Parallel Update: Improved stability of upload process System Settings – Network\SNMP Trap Receiver: Added Select All checkbox Extender & Devices – CPU Devices \ IP Session Config: Depending on the selected type, hide or show parameters Fixed bugs: <ul style="list-style-type: none"> Multi-Screen Control: Fixed free layout Extender & Devices – CON Devices\Favorites, User & Groups – Users\Favorites: Fixed duplicated entries when a CPU is a group member Update – Matrix Firmware / Update - Extender Firmware: Fixed cancel button
2019-02-15	3.6.4.0	Features and enhancements: <ul style="list-style-type: none"> IPCPU: Support of fast application and system update over IP network

		<ul style="list-style-type: none"> • Support of encrypted data transfer on linux CPU boards • Extender & Devices – CPU Device\ IP Session Config: Added Audio Mode (Local / Remote) <p>Improvements:</p> <ul style="list-style-type: none"> • System Check: Checking the memory availability on I/O boards • Status & Updates – Extender Firmware Update: Sequential update affects only a port not the entire I/O board • System Settings – Matrix Grid: Added option to edit info field in grid <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Fixed addressing of slot 36 in K480-576 • System Settings – Matrix Grid: Fixed bug when configuring a 576 matrix • Status & Updates – Extender Firmware on I/O Board: Show only extender firmware • Device Finder: Fixed bug in Master detection
2018-12-12	3.6.3.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Support of MODFAN <p>Improvements:</p> <ul style="list-style-type: none"> • Connect: Open separate tab for master and slave CPU on K480-576 matrix • Status & Updates – Matrix Firmware Update: Optimized reinitialization process of I/O boards after restart <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Fixed sporadic deadlock of UI • Status & Updates – Matrix Firmware Update: Fixed validation of update compatibility rules
2018-11-15	3.6.2.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Extender & Devices – CPU Devices, CON Devices: Added Parameter Fix Frame Color • Support of FXTDLCPU, FXTDLCON, FZSHRCPU, FZVHRCON, FZVHRCPU, FZVOECON <p>Improvements:</p> <ul style="list-style-type: none"> • Status & Updates – Matrix Firmware Update, Status & Updates – Extender Firmware Update: Added message window for detailed update messages • View – Grid: Detailed information about Grid Line usage <p>Fixed bugs:</p> <ul style="list-style-type: none"> • View – Matrix: Fixed update of the grid ports • Extender & Devices – Tables: Fixed multi selection • Extender & Devices – CON Devices, Favorites: Fixed assignment of group members • User Settings – User & Groups, Favorites: Fixed assignment of group members • User Settings – User & Groups: Fixed LDAP label • Flash Update: Fixed firmware validation • Fixed sporadic deadlock of UI

2018-09-27	3.6.1.1	<p>Improvements:</p> <ul style="list-style-type: none"> • Syslog & SNMP: Added Signature field for email notification • Extender & Devices – CPU Devices: Added Parameter Exclusive Access <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Syslog & SNMP: Fixed email notification • Status & Updates – Matrix Firmware Update: Fixed time calculation in sequential mode • Extenders & Devices – Ext Units: Fixed restart of I/O boards after fixed port creation in grid environment • Extender & Devices – CON Devices: Fixed row selection in overview • Extender & Device – Ext Units, IP CPU: Fixed Timezone
2018-09-21	3.6.1.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Support OS Update of controller and I/O boards • IP Session Config: Added VNC option <p>Improvements:</p> <ul style="list-style-type: none"> • Status & Updates – Miscellaneous, FPGA Design: New checks and more detailed info messages <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Status & Updates – Extender Firmware Update: Fixed parallel update • Fixed V03.03 firmware compatibility
2018-08-06	3.6.0.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Support of matrix firmware V03.06: e.g. IP CPU • Status & Updates – Extender Firmware Status: Display memory usage of I/O board • Flash Update: Support of EZTMSD, EZTIMSD, EZTDLMSD, EZTDZMSD, EZTDEMMSD • Support of EXTIPCU, FCTICPU, FCTHRCPU, FZSDECON, FZSDECPU • User Settings – Users & Groups: Support AD Group Locked • TeraToolApp includes JRE 9 • View – Grid: New view, showing grid connections <p>Improvements:</p> <ul style="list-style-type: none"> • System Settings – Matrix Grid: Validate firmware version in wizard • View – Control: Enhanced with chassis, extenders and images, zoom • Extenders & Devices – CPU Devices: Moved CPU Groups to CPU Devices panel • Extenders & Devices – User: Moved User Groups to User panel • Extenders & Devices – Ext Units, Firmware Version: Improved update behaviour • Save Status: Support of saving EDID, HID-Ghosting and Parameter settings • Rearrangement of Taskpane • Status & Updates – Miscellaneous, FPGA Design: Check firmware version before update • New firmware version format

		<ul style="list-style-type: none"> • System Settings – Matrix Grid: SWITCH_01 as device name not allowed • Improved performance of communication between tool and matrix <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Status & Updates : Fixed conversion error for modules with slot id > 128 • Save Status: Reading serial on lower i/o boards of K480-576
2018-04-11	3.5.5.3	<p>Fixed bugs:</p> <ul style="list-style-type: none"> • Save Status: Opening of K480-576 status files • Status – Matrix View: Displaying of CPU board in K480-576 • Several fixes regarding JRE 9
2018-03-01	3.5.5.2	<p>Improvements:</p> <ul style="list-style-type: none"> • Support of firmware downgrade for new controller board and new I/O board • Administration – Miscellaneous\FPGA Update: Support primary design update <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Drag & Drop: Support of file extension in upper case and lower case • Status – Matrix View: Fixed blocking of UI, while reading network settings • Status – Matrix View: Fixed label of XV I/O boards • Definition – Groups: Fixed group unassignment • K480-576: Fixed access to slave CPU when master CPU is not accessible
2018-01-08	3.5.5.1	<p>Fixed bugs:</p> <ul style="list-style-type: none"> • Definition – User: Fixed distinguished name for LDAP users • Status – Matrix View: Show type name of new fiber I/O boards
2017-12-21	3.5.5.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Definition – Ext Units: Added link location info • Save Status: Optional anonymization of extender, device and user names <p>Improvements:</p> <ul style="list-style-type: none"> • Save Status: Removed start button, save process will start automatically • Definition - CON Device, CPU Device: Changed maximum device ID to 32767 • System Check: Changed severity of cross connected gridlines from warning to info • Flash – Update: Deactivated for mac-os and linux systems • Control – Extended Switch: Improved performance of Reset <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Grid Port View: Support of reset for all extenders in the Matrix Grid • Assignment – Multi-Screen Control: Support of reset for all I/O boards in the Matrix Grid • Offline Configuration: Fixed default syslog facility • Offline Configuration: Fixed bug in cancel function of Ext Units, CON Devices, CPU Devices, User panels

		<ul style="list-style-type: none"> • Definition – CON Device, CPU Device: Fixed bug in apply function
2017-10-26	3.5.4.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Support of MATLPXP update (Controller board) • Support of 474-BSS • Support of 474-BAE • Device Finder: Show grid master • System Check: Quick link to extenders, devices and users in definition panels <p>Improvements:</p> <ul style="list-style-type: none"> • Allow optional sequential I/O board update on compact switch • Definition – Ext Units\EDID, USB-HID Ghosting, Parameters: Improved error handling • Definition – Ext Units\Version: Increased table height to show all possible rows • Monitoring: Show confirmation dialog before closing the tool • Flash Update: Optimized layout of update panel <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Definition – Ext Units: Hide EDID and ghost tab for SDI CPU extender • Definition – Ext Units: Check validity of extender before version request • Status – SNMP: Fixed numbering order • Jerking in text area • Showing change marker although there have been no changes • System Check: failed in systems with more than 127 modules • New Configuration: Set default facility for Syslog server 1 and Syslog server 2
2017-09-11	3.5.3.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • New Flat UI • Status – Control View: Custom monitor layout and user-friendly monitoring of all connections and managing of interconnection between CPUs and Consoles. • Definition – Ext Units: Support reading and writing of Parameters on CPU extenders • Status – Matrix View: Showing system status (temp, fan, power supply) when clicking on chassis <p>Improvements:</p> <ul style="list-style-type: none"> • Administration – Matrix Firmware Update: Improved update selection und execution process <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Control - Extended Switch: Show virtual consoles • Flash Update: Fixed bug with Windows 10
2017-08-31	3.5.2.2	<p>Fixed bugs:</p> <ul style="list-style-type: none"> • Assignment – Multi-Screen Control: Fixed request of OSD firmware version
2017-08-28	3.5.2.1	<p>Fixed bugs:</p> <ul style="list-style-type: none"> • Assignment – Multi-Screen Control: Fixed detection of 8 screen support

		<ul style="list-style-type: none"> • Administration – Matrix Firmware Update: Fixed MATLOSD and MATLVOSD update
2017-08-04	3.5.2.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Assignment – Multi-Screen Control: Supports up to 8 screens with horizontal, block and free layout. • Support of new I/O board <p>Improvements:</p> <ul style="list-style-type: none"> • Administration – Matrix Firmware Update: Show restart confirm dialog after firmware update of a single I/O board <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Administration – Extender Update: Fixed bug in firmware version comparison • KM-Switch MSC Configurator: Fixed 8 screen block layout
2017-07-06	3.5.1.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Definition – CON Units: Support of new parameter CPU Colors • Definition – CPU Units: Support of new parameter CPU Colors <p>Improvements:</p> <ul style="list-style-type: none"> • Improved in reading and writing of EDID and HID Ghost <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Definition – CON Units: Set CPUs to Full Access when Enable New CON is enabled
2017-06-06	3.5.0.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Support of matrix firmware V03.05: e.g. User groups, CPU groups, advanced LDAP support • Monitoring – SNMP: New SNMP server for receiving SNMP traps, configurable notification per email <p>Improvements:</p> <ul style="list-style-type: none"> • Monitoring – Syslog: Configurable notification per email • Improved performance in big configurations • EXTICPU, EXTICON: Optimized estimation for update duration • Disabled Disconnect and Save Status when loaded a status file • Encrypted defaults.cfg <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Added missing graphic for L490-BPHXR • Definition – Ext Units: Fixed tab management (show/hide)
2017-04-05	3.4.3.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Support of SDI Extender <p>Improvements:</p> <ul style="list-style-type: none"> • Matrix Grid: Improved merge process • Matrix Grid: Disable matrix grid on master, when master is deleted from grid table • Definition – CPU Device: Allow CON Access Control assignment and User Access Control assignment for virtual CPUs • Matrix View: Changed position of redundant controller board for the 288 port matrix

		<p>Fixed bugs:</p> <ul style="list-style-type: none"> • Reset of assignment on real CON Device when deleting assigned virtual CON Device • Reset of assignment on virtual CPU Device when deleting assigned real CPU Device • Definition – CPU Devices: Enabling of Apply Button in CON Access Control and User Access Control • Definition – CPU Devices: Reset of access rights on CON Devices and Users when deleting a CPU Device
2017-03-15	3.4.2.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Extender Update- Parallel Mode: Optional I/O board reset before starting the upload to get the maximum of free memory <p>Improvements:</p> <ul style="list-style-type: none"> • Improved Extender Flash Update • Improved performance of extender firmware upload <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Definition – Ext Units: Fixed possible blocking of UI during reload
2017-02-14	3.4.1.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Support of new controller board • Support of reading and writing USB-HID Ghost • Support of reading and writing EDID <p>Improvements:</p> <ul style="list-style-type: none"> • Improved error handling in Save Status • Improved memory management • Strict Validation of Device name. Device name must conform to RFC 952 • System – Network / SNMP / Trap Receiver 1/2: Added Power Supply 4 <p>Fixed bugs:</p> <ul style="list-style-type: none"> • System Data: fixed cancel of changes for Load Default, Remove I/O Boards and Online Configuration • Login with Device name led to crash during Save Status
2016-12-16	3.4.0.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Status – Matrix: New matrix status information • Support of new login authentication mode <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Fixed network interface detection for secondary controller board
2016-11-23	3.3.1.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • System - Matrix Grid: New Offline Grid Wizard in status and configuration files • Assignment – Virtual CPU Assignment: Allow assignment of a real CPU to multiple virtual CPU's • Macro – Assign CPU, Assign CON: Added Remove Assignment parameter <p>Improvements:</p>

		<ul style="list-style-type: none"> • File Upload/Download communication improved • System – Matrix Grid: Improved communication between TeraTool and matrix in Online Grid Wizard • Reduced communication between TeraTool and matrix <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Matrix View: Fixed missing SFP label for fiber cards • Macros: Fixed incomplete macro clean up when deleting consoles or user • System – Matrix Grid: Fixed bug in merge of macros
2016-10-11	3.3.0.1	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Support of display port cpu extender with FZVDECPU firmware <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Fixed possible blocking of Matrix View during I/O type detection
2016-09-29	3.3.0.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Support of redundant CPU boards • Flash Update: New extender firmware update wizard • Definition – CON Devices: Added OSD Disabled parameter • System - Access: New parameter OR User/CON ACL • System - Access: New parameter AND User/CON ACL • System – Switch: New parameter Macro Single Step • Support of Multicast communication <p>Improvements:</p> <ul style="list-style-type: none"> • Significant improvement of Matrix Firmware Update performance for matrix firmware \geq V03.03 • Save Status: Check device name for invalid characters • Show configuration file version in status bar • Matrix Grid: When merging a configuration the new fixed port position in the grid will be calculated. Reduced network traffic. Improved messages in message panel. <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Fixed Matrix Firmware Update when using 1G and 3G I/O boards in the same matrix • Save Status: Fixed reading detailed extender information in grid • Matrix Grid – Merge: Fixed initialization of user • Connect-Dialog: fixed URL encoding <p>This version does not support matrix firmware older than V03.00!</p>
2016-05-12	3.1.2.3	<p>Fixed bugs:</p> <ul style="list-style-type: none"> • Fixed I/O port background color for unused ports
2016-05-02	3.1.2.2	<p>Improvements:</p> <ul style="list-style-type: none"> • Save Status: More detailed information while saving extender status • Multi-Screen Control: More detailed information in Matrix View and Grid Port View by highlighting invalid and not available CON Devices • Matrix View: Display fiber XV I/O boards as XV instead of SFP <p>Fixed bugs:</p>

		<ul style="list-style-type: none"> • Fixed Drag&Drop of files for JRE 1.8.0_91 on Linux and OS X • Display ports with invalid status as invalid ports
2016-04-08	3.1.2.1	<p>Improvements:</p> <ul style="list-style-type: none"> • Optimized memory management <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Definition Panels: fixed reload function • Extender CSV Import: fixed import
2016-03-23	3.2.0.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Support of Draco tera 576 • CON Devices: New Show Macro List option • Matrix View / Grid Port View: New Reset Extender command in context menu of matrix port • Matrix View / Grid Port View: Show detailed Routing Information • Save Status: New option Save Status of all matrices in the grid <p>Improvements:</p> <ul style="list-style-type: none"> • Support of 32 macro keys • Support of 24 matrices in grid • Optimized memory management <p>Fixed bugs:</p> <p>Definition Panels: fixed reload function</p>
2016-03-17	3.1.2.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Flash Update: New U-Switch firmware update wizard <p>Improvements:</p> <ul style="list-style-type: none"> • Support Grid Board • Support Single I/O Board update • Matrix Firmware Update / Extender Firmware Update – Sequential Mode: Added Additional selection options button to display table selection options <p>Fixed bugs:</p> <ul style="list-style-type: none"> • KM-Switch MSC Configurator: fixed block layout for 8 port draco U-Switch. • Fixed IP-Textfield
2015-12-01	3.1.1.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • KM-Switch MSC Configurator: New multi-screen control configurator for draco U-Switch. Horizontal, vertical, block and free layout supported. • Matrix View / Grid Port View: Display usage of Grid Lines <p>Improvements:</p> <ul style="list-style-type: none"> • Improved communication between TeraTool and matrix grid
2015-10-20	3.1.0.2	<p>Improvements:</p> <ul style="list-style-type: none"> • Advanced support of 474-SNMP <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Macros: Fixed P2 selection in User/CON Device Macros • Definition – Ext Units: Use of secondary port to get firmware version information, if primary port is not connected

		<ul style="list-style-type: none"> • Monitoring: Ensuring that monitoring toolbar button will be reenabled when monitoring tab is closed • New Configuration: Fixed new configuration file creation
2015-08-10	3.1.0.1	Improvements: <ul style="list-style-type: none"> • Device Finder: Automatic start of Device Finder upon opening the Tera Tool (can be set in Extras) • Several performance improvements Fixed bugs: <ul style="list-style-type: none"> • Definition – User: Fixed blocking UI when creating a new user
2015-06-22	3.1.0.0	Features and enhancements: <ul style="list-style-type: none"> • Full Redundancy Support • System – Network: Support of second syslog server and configurable syslog port • System – Network: Support of second SNMP trap receiver • System – Network: Support of LDAP • Support of SNMP-Board • Network Check: Check availability of FTP, API and Syslog connections and ports Improvements: <ul style="list-style-type: none"> • Status – Matrix View: Display of slot number for draco tera enterprise matrices
2015-05-12	3.0.4.2	Features and enhancements: <ul style="list-style-type: none"> • Macros: Added Current User as parameter
2015-05-07	3.0.4.1	Features and enhancements: <ul style="list-style-type: none"> • Administration - Miscellaneous: New panel for updating CPU-board and I/O-board FPGA design Improvements: <ul style="list-style-type: none"> • Administration – Miscellaneous: Improved OSD Update panel • Ext Firmware Update: Optimized reload of firmware information
2015-04-22	3.0.4.0	Features and enhancements: <ul style="list-style-type: none"> • Definition - CPU Devices: New CON Access Control and User Access Control panels • Administration - Miscellaneous: New update panel for updating visual appearance of OSD • Support of extender creation in offline mode • Support of CSV import for new extender in offline mode • Definition – EXT Units: new Firmware Version panel • Support of Russian encoding (windows-1251) Improvements: <ul style="list-style-type: none"> • Status – Matrix View: Port numbers can be shown as local or grid port numbers • Matrix Firmware: Mark matrix firmware conflicts in grid • Administration - Update EXT Firmware: Optimized Update View in Parallel Mode • System – Network: Displaying default syslog and SNMP ports Fixed bugs: <ul style="list-style-type: none"> • Definition - EXT Units: Prevention of various exceptions

		<ul style="list-style-type: none"> • Extender Assignment: Do not allow Drag&Drop of empty rows • Switch communication: Fixed error in LAN Echo management
2014-11-21	3.0.3.2	<p>Improvements:</p> <ul style="list-style-type: none"> • Firmware Panels: Improved reload performance <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Update Ext Firmware - Parallel Update: Fixed update duration calculation
2014-11-13	3.0.3.1	<p>Improvements:</p> <ul style="list-style-type: none"> • Save Status: Improved functionality • Update Ext Firmware - Sequential Update: Improved performance • Grid: Display Master and Sub in tab title <p>Fixed bugs:</p> <ul style="list-style-type: none"> • License Management: Fixed serial number in status zip file in grid environment
2014-09-15	3.0.3.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Support of EXTICON, EXTDPCON, EXTDPCPU, MATXUNI • Added new sort buttons to favorites assignment and extender assignment <p>Improvements:</p> <ul style="list-style-type: none"> • Optimized memory management • Shutdown Matrix: Improved shutdown message • Restart Matrix: Changed restart behaviour after matrix firmware updates • Optimized data management in Status - Matrix Firmware and Status - EXT Firmware • Show offline matrices in a different color in Status - Matrix Firmware and Status - EXT Firmware • Added context menu actions to Status – Ext Firmware / Component View • Matrix Grid: Added Keep ID option • System Check: Check Invalid I/O Board parameter <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Fixed restart of I/O board in Grid Port View
2014-07-01	3.0.2.1	<p>Improvements:</p> <ul style="list-style-type: none"> • Optimized License Management view <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Update EXT Firmware: Fixed calculation of update duration in parallel update mode
2014-06-13	3.0.2.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Validation of EXTMSD / EXTIMSD version in System Check and Extender Firmware View • Added Drag&Drop support in Extender Assignment, Favorites and CPU Access Control View • Added save button to toolbar to save configuration changes instantly on the matrix • Syslog: Added new filter options and search functions

		<p>Improvements:</p> <ul style="list-style-type: none"> • Save Status saves all serials and firmware versions within a Matrix Grid • Optimized loading time in Status EXT Firmware <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Fixed possible NullPointerException in syslog • Reload port status before executing Save Status • Multi-Screen Control: Show correct values in Enabled column
2014-04-11	3.0.1.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Support of Matrix Shutdown • Added Device Finder functionality • Added Redundancy parameter to System Data and CON Devices • Added OSD Position defaults to EXT Units – Extender OSD Data <p>Improvements:</p> <ul style="list-style-type: none"> • Added toolbar button text • Added scrollbar to Multi-Screen Control panel • Added MAC-Address textfield to System - Network • Optimized initialization process of Matrix View • Allow activation of Echo Only and Synchronize at once <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Fixed master detection in grid environment • Fixed blocking of Activate Configuration when executing on multiple connections at the same time
2014-02-07	3.0.0.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Support of Matrix Grid <ul style="list-style-type: none"> - Matrix Grid Configuration Wizard - Grid Port View - Enhanced Matrix and EXT Firmware View • Syslog: Support of daily logfiles • Syslog: Added Autostart option • Status – Ext Firmware: New Component View • Support of Duallink extenders • Added matrix status LED in statusbar <p>Improvements:</p> <ul style="list-style-type: none"> • Administration – Activate Configuration: Added version column • Macros: Toolbar buttons replaces context menu • Macros: Added visual overview of various configured macros • Definition panels: New text for New and Delete buttons • System – Network: Show current IP Address in DHCP mode • Configuration Report: Now supports the saving of System settings • Optimized performance on config reload • Changed sorting order in syslog trace file • Improved extender update process • Assignment – Multi-Screen Control: Show restart I/O board dialog <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Assignment – Multi-Screen Control: Fixed enable/disable bug • Extender Assignment: Fixed sorting of port column

2013-11-28	1.9.5	Features and enhancements: <ul style="list-style-type: none"> • Definition – EXT Units: Support of new Video Mode 1280x800. • Definition – CON Device: New Parameter Port Mode.
2013-09-04	1.9.4	Features and enhancements: <ul style="list-style-type: none"> • System - System Data: New parameter Echo Only Improvements: <ul style="list-style-type: none"> • Support of Universal I/O boards and extender • Added Select All checkbox to Assign Settings to... / Copy Settings from... Fixed bugs: <ul style="list-style-type: none"> • Fixed displaying of warnings/errors in Status – EXT Firmware • Fixed selection of first table row in Multi-Screen Control • Fixed wrong description in System Validation
2013-06-26	1.9.3	Features and enhancements: <ul style="list-style-type: none"> • System - System Data: New parameter Load Default Improvements: <ul style="list-style-type: none"> • Improved Factory Reset of I/O Boards action • Differentiation between connection error and user/pwd error in connection dialog • Optimized protocol messages after firmware upload and reload • Show Message on Syslog startup when syslog port is already in use • Allow changes in Ext Units - General OSD Data for custom CON ports Fixed bugs: <ul style="list-style-type: none"> • Fixed Save Status on Mac OS X • Fixed reload after firmware upload
2013-06-14	1.9.2	Features and enhancements: <ul style="list-style-type: none"> • System Check Improvements: <ul style="list-style-type: none"> • Syslog supports autostart function • Improved FTP communication • Improved upload of extender firmware • Support of Keyboard layout English GB, 166 • Extender ID is no longer allowed to be changed in Definition – EXT Units • Additional tooltips to System Data – OSD Data • Save Status includes trace.log and ioboard.log • Support of Login User macro • Improved table filter option in definition panels • Improved displaying of warnings/errors in Status – EXT Firmware • Support of Factory Reset Fixed bugs: <ul style="list-style-type: none"> • Password field in Connect Dialog supports special characters • When configuration mode is activated, the context menu of the macro table is enabled • Fixed time display in update progress bar

		<ul style="list-style-type: none"> • Fixed AppName position in syslog
2013-03-15	1.9.1	Fixed bugs: <ul style="list-style-type: none"> • Fixed ACL Assignment in CON Devices • Fixed setting of date in Date and Time
2013-02-15	1.9.0	Features and enhancements: <ul style="list-style-type: none"> • Support of SNTP protocol • Set date and time in Date and Time • New parameters for a CPU Device Scanner in CON Devices • Support of Multi-Screen Control • Display I/O Board and CPU Board serial numbers in Matrix Firmware • Support of SNMP Trap configuration • Restart of I/O Boards by using the Matrix View context menu • New parameter Enable Old Echo to support old echo format Improvements: <ul style="list-style-type: none"> • Added new parameters to Configuration Report, optimized representation of EXT Units reports • Full switching support of custom extenders in Matrix View • Additional video mode in Ext Units – General OSD Data in a resolution of 1920 x 1200 • Optimized templates dialog in CPU Devices and CON Devices • Added Online Configuration Mode to toolbar • Optimized sorting in Virtual CON Devices and Virtual CPU Devices • Support of French(CH) as a new keyboard layout • Syslog will continue running in the background, if syslog tab is closed • Syslog log files support csv format Fixed bugs: <ul style="list-style-type: none"> • Fixed commit of changes in Copy Settings From dialog when Online Configuration Mode is activated • Fixed cancel of changes in checkboxes • Changes in IP text field leads to activation of apply buttons • Fixed crash in Save Status
2012-12-13	1.8.1	Improvements: <ul style="list-style-type: none"> • Improved visualization of Online Configuration Mode • Allow user without password • Improved handling of corrupt configurations Fixed bugs: <ul style="list-style-type: none"> • Fixed broken Custom Extender Assignment in CPU Devices and CON Devices • Removed double call of Modification Detected Dialog in Definition Panels after pressing Cancel Button
2012-11-28	1.8.0	Features and enhancements: <ul style="list-style-type: none"> • Parallel Extender Update • Online Configuration Mode • Switching per Drag & Drop in Matrix View • Disconnect Console from CPU in Matrix View • Support of Syslog Protocol • License management implemented

		<ul style="list-style-type: none"> • Number of Favorites increased to 16 • Distributed firmware update of extenders via IO boards • Extender OSD Data tab to change extender OSD settings in EXT Units • FIX Frame option for CPU devices adds a semi-transparent colored frame to the video • Private access is now a property of the CPU device and is also supported by Macros and Favorites • Basic support of SNMP service • Macros offer simplified Push/Get functions <p>Improvements:</p> <ul style="list-style-type: none"> • Added Definition - User to Configuration Reports • Improved Extended Switch View, supports Private Mode • Improved Presets View, supports Private Mode • Drag & Drop support for Firmware files (*.tfw, *.efw) • Replaced assignment dialog by assignment wizard in Definition panels • Function <i>Reset Matrix</i> renamed to <i>Factory Reset</i> • Function <i>Draco Service</i> renamed to <i>API Service</i> <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Remove all connections when deleting CPU Device • Enable all OSD checkboxes in Update Matrix Firmware
2012-08-01	1.7.1	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Support of TERA048c <p>Improvements:</p> <ul style="list-style-type: none"> • Added port number column to Extender Assignment table • Show Matrix View in Online Mode on startup • New Custom Template for fixed port extender in Definition – EXT Units <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Fixed focus problems in Download Dialog
2012-06-06	1.7.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Configuration Reports in PDF format • Enable/Disable Automatic reload of Matrix View • Show network connection state in Matrix View • Show/Hide Port numbers in Matrix View <p>Improvements:</p> <ul style="list-style-type: none"> • Improved usability and layout of EXT Firmware • Improved usability and layout of Update EXT Firmware • Improved Standard and Expert View for extender types in Ext Units • Improved Upload and Download Dialog <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Fixed bug which occurred during data communication when Echo Mode is activated • Fixed problems with Video-only connections in Presets • Fixed error in configuration file upload and download with JRE 7+ and Windows 7

2012-04-18	1.6.2	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • Demo mode (Connection to IP address 255.255.255.255 opens files named demo.dtf and demo.dtc in the tool directory for demo purposes) <p>Improvements:</p> <ul style="list-style-type: none"> • Supports switching of Virtual CON Devices • Added Private Mode state to Matrix View • Show Invalid Ports in Matrix View, e.g. when a Fixed Port Extender is connected to port which is not a fixed port • Download of config files requires admin rights • Show assigned device of a Fixed Port Extender in MatrixView property sheet • Changes in Optionsdialog will be activated without application restart • Renamed Switch Macros to Presets • Drag & Drop support for config files (mac os & windows) <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Load Firmware displays Matrix View again • Configuration upload with a wrong password shows a error message • Disabled upload of firmware files (*.dtf) • Avoid sending of connection data in Extended Switch in case of cancelling CPU Device selection
2012-03-09	1.6.1	<p>Improvements:</p> <ul style="list-style-type: none"> • New connection management between application and Matrix • Added legend to Matrix View • Supports new module and extender names • Upload of config files requires admin rights <p>Fixed bugs:</p> <ul style="list-style-type: none"> • No blocking of application when closing tab • Activation of Enable New User, Enable New CON enables all CPUs for a new user or new console
2012-02-10	1.6.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • CON Macros • User Macros <p>Improvements:</p> <ul style="list-style-type: none"> • Show Slot ID in Matrix View • Addition of IP Address column to Activate Configuration table • Expand Matrix Firmware views by default • Different firmware states are colored in Matrix Firmware views • Show CPU Devices in Favorites - Available CPU table in dependency of Console ACL's state • Optimized matrix restart • Addition of tooltip to cpu port in Matrix View <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Allow Cancel on changes in User Favorites • Fixed refresh of Update Ext Firmware
2011-12-22	1.5.0	<p>Features and enhancements:</p>

		<ul style="list-style-type: none"> • Switch Macros • Optionsdialog for default settings • Encrypted configuration files • System – Access: New parameters Enable New User and Enable New CON • Reset button to reset all connections in Extended Switch <p>Improvements:</p> <ul style="list-style-type: none"> • Redesign of Matrix View representation • Selection behaviour of IO-Boards in Update Matrix Firmware • Optimized performance when creating new devices in big configurations • Renamed and reordered task names • Optimized representation on Mac • Added multiselection in overview tables • Added row number in overview tables • Added port to Extender tables • Added columns Current Version and Current Date to Update Matrix Firmware and Update EXT Firmware update views <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Fixed context menus on Mac • Removed Fixed Ports from global view of Update EXT Firmware • Fixed blocking of Definition views when selecting Hide Devices w/o Extender Assignment checkbox in Extended Switch
2011-11-10	1.4.2	<p>Improvements:</p> <ul style="list-style-type: none"> • Reduced time for loading configuration • Reduced time for extender update by restarting matrix instead of restarting IO cards
2011-11-07	1.4.1	<p>Improvements:</p> <ul style="list-style-type: none"> • Green shared icon added to Matrix View and Switch Console to CPU • Virtual CPUs added to Favorites list <p>Fixed bugs:</p> <ul style="list-style-type: none"> • Assignment of real to virtual consoles added to online mode • Fixed treeview update when expanding and collapsing per mouse in Matrix Firmware and Update Matrix Firmware
2011-11-04	1.4.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> • CPUs are configurable as favorites in User Data and CON Devices • Connect with hostname or ip address in connection dialog • ip is replaced by hostname in defaults.cfg • New icons in Matrix View and Switch Console to CPU to display Shared Access • Users are pointed out to save changes before program exit • Remember last selection in template dialog of EXT Units, CPU Units, CON Devices and User Data • Restrict access rights of Power User to Matrix View and Switch Console to CPU panels • Checkbox to hide devices without extender assignment in Switch Console to CPU <p>Improvements:</p>

		<ul style="list-style-type: none"> Context menu added to Switch Console to CPU <p>Fixed bugs:</p> <ul style="list-style-type: none"> Enter does not work in finish panel of import/export dialog Fixed Offline configuration of Video Only Access in Switch Console to CPU Fixed Configuration of KVM sharing in Switch Console to CPU when Auto Send is disabled Dialog of Upload action in toolbar now appears every time If there are changes when closing the application, only one save dialog will be shown
2011-10-13	1.3.2	<p>Fixed bugs:</p> <ul style="list-style-type: none"> Update Matrix Firmware, Update Ext Firmware: Deselect disabled checkboxes in column Update Virtual to Real CPU assignment does not work
2011-10-11	1.3.1	<p>Improvements:</p> <ul style="list-style-type: none"> Optimized Extender Firmware update process Added Service Mode state in Matrix Firmware view Show wait cursor during expanding treeview in Matrix Firmware view <p>Fixed bugs:</p> <ul style="list-style-type: none"> Removed repeating update in Single Firmware Update Wrong Fixed Port validation in Ext Units Fixed Collapsing of Matrix Firmware view after directory change Fixed wrong background error color for Upgrade Modules in Update EXT Firmware tables Non Administration panels are disabled in Service Mode Fixed broken support dialog
2011-09-26	1.3.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> Supports Extender Updates CON Device: New parameter, LOS Frame Relative pathnames in defaults.cfg Improved directory management in FileChooser-Dialogs System Data Panel: Slave definition revised & clarified <p>Fixed bugs:</p> <ul style="list-style-type: none"> Restart Switch needs admin rights Switch Console to CPU: Fixed KVM sharing bug in Auto Send mode Update Matrix Firmware: Fixed Update problem when a default path is selected Fixed communication errors in LAN Echo mode
2011-08-19	1.2.0	<p>Features and enhancements:</p> <ul style="list-style-type: none"> Loading and saving of firmware status Filterable dropdown box in tables Auto send function in Switch Console to CPU, Real to Virtual Console and Virtual to Real CPU Matrix View: Port number is flashing when selected Firmware Update: Supports OSD and HID updates Drag & drop file open support (windows only) CON Device: New parameters, Allow Login and Force Login

		<ul style="list-style-type: none">• Ext Units: New parameter, Video Mode• Restart switch action <p>Fixed bugs:</p> <ul style="list-style-type: none">• Fixed selection problem in sorted and filtered tables• Fixed incomplete reload in some views
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