

Price list: 206(1)/24 (vt-designer) Valid from: 01/9/2024 Revision: 01 (6/8/2024)

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vt-designer

Product information and price list

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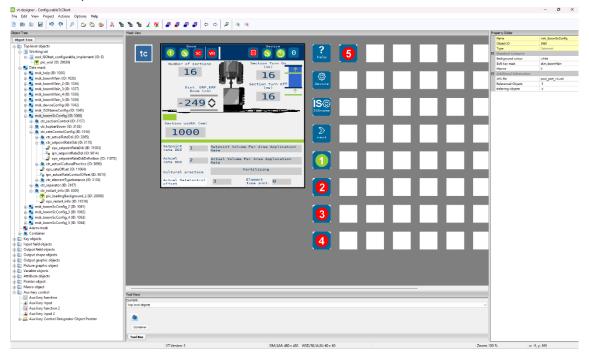


1. Purpose and description

vt-designer is a visual editor designed for creating user interfaces for Virtual Terminals (VTs). It's primary target are agricultural machinery such as tractors and implements following the ISO 11783-6 standard, but it is versatile enough to be used for any type of device. The application is well-supported with frequent updates, incorporating constant improvements and new features to keep up with the new editions of the ISO 11783-6 documents / VT versions.

Key features

• <u>Comprehensive Mask Building</u>: vt-designer is a robust tool for building and editing Virtual Terminal masks for agricultural implements. It uses objects and their relationships as defined in ISO 11783-6.



- <u>Project-Based Organization</u>: The application organizes editing and maintenance of masks and objects within a project structure. Projects can be initiated from scratch with a wizard, by importing an IOP file or continuing on an existing VTP file (that includes one or more XML files containing objects like buttons, data masks, strings, pictures etc. and their relationships as well as translations).
- <u>Intuitive Visual Interface</u>: The visual interface enables easy access to predefined objects, which serve as the building blocks for new projects. Users can graphically arrange these objects, define their relationships (such as child references or loose objects), and customize their properties including color, size, position and more.



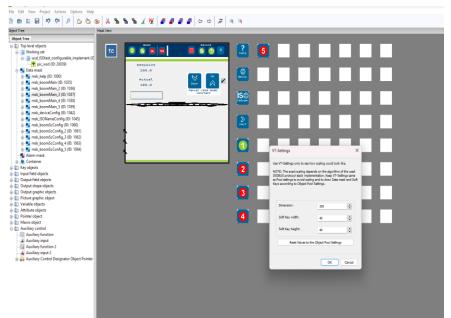
| File Edit View Project Actions Options Help | | | | | | | |
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| Object Tree Mask View | | | | | | | |
| Object Tree | | | | | | | |
| Top level objects | | | | | | | |
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| 🖃 📲 Data mask | | | | | | | |
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| 🗑 📲 msk_ddop_list (ID: 1004) | GPS source: ISOBUS SERIAL | | | | | | |
| 🗈 🔩 msk_error_log (ID: 1006) | | | | | | | |
| 🖨 📲 msk_gps (ID: 1007) | Warnings | | | | | | |
| 😑 💁 ctr_header (ID: 3084) | Warnings | | | | | | |
| rct_header (ID: 14156) | | | | | | | |
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| ptr_header_new_task (ID: 27048) | | | | | | | |
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| - 🌮 opn_gps_velocity (ID: 12004) | | | | | | | |
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| 😥 🤷 ctr_gps_receiver (ID: 3117) | | | | | | | |
| 🖶 🏪 msk_implement_detail (ID: 1001) | | | | | | | |

- <u>Files Export Capability</u>: After editing, users can generate IOP/.c/.h files for usage within ISOAgLib SE or similar ISOBUS protocol stacks or just save the project as XML files and continue working and editing later. The XML files could also be used to extract meta information for e.g. code generation.
- <u>Multi-Language Support</u>: Edit projects in multiple languages. vt-designer supports projects containing string objects in several languages.
- <u>Multi-Version Pool Parts Capability</u>: Handle different VT versions of pool parts within the same project with the possibility to generate separate IOP/.c/.h files for each pool part which are automatically compatible with the ISOAgLib SE protocol stack.

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| msk_deviceConfig (ID: 1042) | | is0_pics | 6/14/2024 11:35 AM | File folder | |
| msk_ISONameConfig (ID: 1045) msk_boomScConfig (ID: 1060) | Operation informatio | on : | 6/14/2024 11:35 AM | File folder | |
| msk_boomScConfig_2 (ID: 1061) msk_boomScConfig_3 (ID: 1062) | SC Section Control all disable | ConfigurableTcClient.iop.h | 6/14/2024 11:44 AM | VCExpress.h.9.0 | 1.68 |
| 🗉 🔩 msk_boomScConfig_4 (ID: 1063) | Section Control | ConfigurableTcClient.main.c | 6/14/2024 11:44 AM | VCExpress.c.9.0 | 2 KB |
| msk_boomScConfig_5 (ID: 1064) Alarm mask | Section Control | ConfigurableTcClient.main.h | 6/14/2024 11:44 AM | VCExpress.h.9.0 | 1.68 |
| Container | server enable | ConfigurableTcClient_001_pool_part_v3.2.c | 6/14/2024 11:44 AM | VCExpress.c.9.0 | 90 KB |
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| Output field objects Output shape objects | Section auto : Open | ConfigurableTcClient_001_pool_part_v3.c | 6/14/2024 11:44 AM | VCExpress.c.9.0 | 663 KB |
| Output graphic objects | Section auto : Close | ConfigurableTcClient_001_pool_part_v3.c.h | 6/14/2024 11:44 AM | VCExpress.h.9.0 | 124 KB |
| Picture graphic object Variable objects | - | | 6/14/2024 11:44 AM | IOP File | |
| Attribute objects Pointer object | | ConfigurableTcClient_001_pool_part_v3.iop | | | 81 KB |
| Macro object | | ConfigurableTcClient_001_pool_part_v3.iop.h | 6/14/2024 11:44 AM | VCExpress.h.9.0 | 88 KB |
| Auxiliary control | | ConfigurableTcClient_002_pool_part_v2.2.c | 6/14/2024 11:44 AM | VCExpress.c.9.0 | 1 KB |
| Auxiliary input | | ConfigurableTcClient_002_pool_part_v2.3.c | 6/14/2024 11:44 AM | VCExpress.c.9.0 | 1.68 |
| Auxiliary function 2 Auxiliary input 2 | | ConfigurableTcClient_002_pool_part_v2.c | 6/14/2024 11:44 AM | VCExpress.c.9.0 | 1 KB |
| Auxiliary Control Designator Object Pointer | | ConfigurableTcClient_002_pool_part_v2.c.h | 6/14/2024 11:44 AM | VCExpress.h.9.0 | 5 KB |
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| | | ConfigurableTcClient_002_pool_part_v2.iop.h | 6/14/2024 11:44 AM | VCExpress.h.9.0 | 1.63 |
| | | ConfigurableTcClient_v3.vtp | 6/17/2024 2:39 PM | VTP File | 2 KB |
| | | pool_part_v2xml | 6/14/2024 11:45 AM | XMI, File | 1 KB |
| | | | | | |



- <u>Bitmap Management:</u> Smart assignment of bitmaps based on color depth.
- <u>Smart Copy Operations</u>: Allows granular definition of copy options for entire object trees (decide which objects will be referenced and which will be copied) to avoid a polluted Object Pool with too many duplicate object.
- <u>Multi-Project Capability</u>: Manage multiple projects simultaneously. Switch with just a simply key-combination and copy/paste between projects.
- <u>Pool Scaling View</u>: Adjust views according to VT settings (check how scaling could look like). This helps finding issues when Data Mask area and Soft Key Mask area objects are being mixed by mistake



- <u>Zoom Functionality</u>: Zoom in and out for precise editing.
- <u>Mouse Operations</u>: Resize and move objects with ease.
- <u>Keyboard Operation</u>: Shortcuts usage for most common operations
- <u>Inconsistency Detection</u>: Detect and display inconsistent pool structures.
- <u>Proprietary Attribute Support</u>: Additionally to the official VT Version-specific attributes also proprietary attributes can be specified. These can be extracted out of the VTP's XML files for generic handling in the code using data/table/code-generators.
- <u>Navigation and Management</u>: Easy navigation to objects, display, and deletion of nonreferenced objects.
- Formula Input: Enter formulas when editing values in the Property Editor.
- <u>Search support:</u> Search objects by name, type or ID.
- <u>Sort of the object tree</u>: Sort object tree by ID or Name and also choose how objects will be sorted inside XML file where they are stored.
- <u>Relocate objects</u>: Move objects to different XML files inside the project.



- <u>Tool Pane</u>: Add new objects by drag-and-dropping from Tool Pane.
- <u>Separate panes:</u> Areas can be docked, moved or hidden by the user.

| t Tree | Property Editor | | Mask View | | | |
|---|--|-------------------|-----------|-----------------|--|------|
| ject Tree | Name | msk_ISONameConfig | | | | |
| | Object ID | 1045 | | | | |
| Top level objects | Type | Datamask | | | | 6 |
| - 📑 Working set | Standard Category | | tc | ISOName (| Configuration 🛛 🚺 | |
| wsd_ISOtest_configurable_implement (ID: 0) | Background colour | white | | | | back |
| pic_wsd (ID: 20039) | Soft key mask | | | | | _ |
| Data mask | Macros | 0 | | | | |
| 👜 📕 msk_help (ID: 1000) | Additional Information | | | Industry group | 2 - Agricultural and Forestry Equipment | |
| 👜 🔩 msk_boomMain (ID: 1035) | XML file | pool_part_v3.xml | | | Equipment | |
| 🖶 🔩 msk_boomMain_2 (ID: 1036) | Referenced Objects | 7 | | Device class in | Θ | |
| 👜 🔩 msk_boomMain_3 (ID: 1037) | Referring Objects | 1 | | | | |
| 👜 🔩 msk_boomMain_4 (ID: 1038) | | | | Device class | Θ | |
| 👜 🔩 msk_boomMain_5 (ID: 1039) | | | | bevice etuss | U | |
| 🗑 📲 msk_deviceConfig (ID: 1042) | | | | Function | 255 | |
| 🖶 🔩 msk_ISONameConfig (ID: 1045) | | | | Function | 255 | |
| 👜 🧕 ctr_topbarlSONameConfig (ID: 3236) | | | | | | |
| 🛞 👲 ctr_ISONameConfigLabels (ID: 3104) | | | | Function instan | Θ | |
| etr_ISONameConfigValues (ID: 3105) | | | | | | |
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| 😥 🧶 ctr_separator (ID: 3167) | | | | | | |
| 🕫 👲 ctr_separator (ID: 3167) | | | | Manufacturer co | 33 | |
| 👜 🥌 ctr_restart_info (ID: 3009) | | | | nanaraecarer co | 00 | |
| 👜 🔩 msk_boomScConfig (ID: 1060) | | | | Identity number | 1 | |
| 👜 🔩 msk_boomScConfig_2 (ID: 1061) | | | | Identity number | 1 | |
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| in 🔩 msk_boomScConfig_5 (ID: 1064) | | | | | < Osb | |
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| 🖳 🌒 Container | Tool Pane | | | | 6 | |
| Key objects | | | | | | |
| Input field objects | Current: Top level objects | | | | | |
| Output field objects | Top level objects | | <u> </u> | | | |
| Output shape objects | | | | | | |
| Output graphic objects | | | | | | |
| Picture graphic object | | | | | | |
| Variable objects | Container | | | | | |
| Attribute objects | | | | | | |
| Pointer object | | | | | | |
| Macro object | | | | | | |
| Auxiliary control | | | | | | |
| 🗈 Auxiliary function | | | | | | |
| Auxiliary input | | | | | | |
| - Jacobian Auxiliary function 2 | | | | | | |
| 🛶 🛓 Auxiliary input 2 | | | | | | |
| Auxiliary Control Designator Object Pointer | | | | | | |
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2. Annual Subscription

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OSB license dongle to unlock ISOBUS development tools



3. Pricing and terms

| Item | Description | Price |
|---------|--|------------|
| 2060100 | vt-designer (annual subscription fee per unlock) | 1`850.00 € |
| 2060101 | USB dongle hardware, including shipping inside EU | 50.00€ |
| 2060102 | USB dongle hardware, including shipping outside EU | 100.00 € |

All prices excl. VAT

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