



Mobile Automation

Flexible, scalable, specialized

We automate your success.



Automation for special-purpose vehicles



Coordinated automation solutions focus on a holistic view of the technical requirements, especially when it comes to self-propelled and towed machines. This means, that a large number of parameters must be taken into account to enable efficient interaction between the vehicles and the correspondingly configured functionalities. At the same time, the networking of the systems establishes a permanent connection to higher-level control centers, which is the prerequisite for optimum operational readiness. Jetter AG offer sophisticated and proven automation solutions with attractive technical features for municipal and agricultural machinery.

Controlling and visualizing the diversity of applications
JetControlMobile 630

HMI and controller combined
JetViewMobile 104

The powerful compact controller
JetControlMobile 501

One expansion module - several options
JXM-IO-E30

The all-round controller
JetControlMobile 511



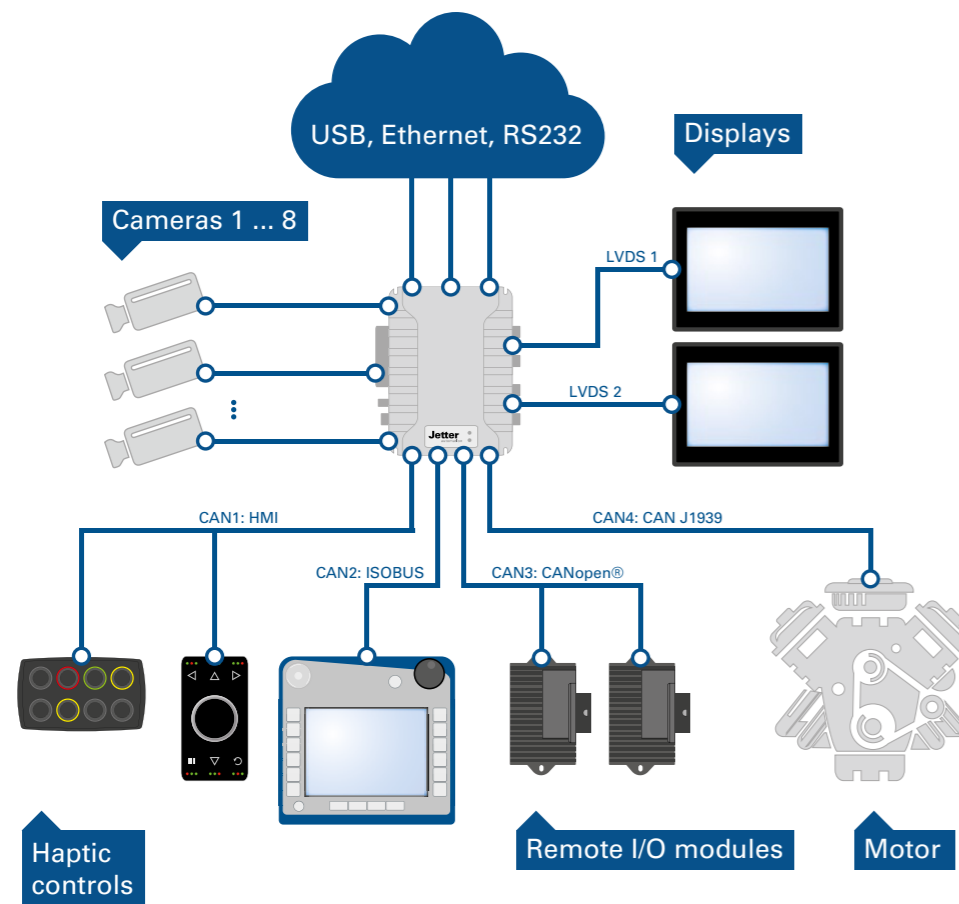
Controlling and visualizing the diversity of applications

JetControlMobile 630 for a wide range of application options

Working functions across several displays

Higher clarity and improved usability

Vehicles and mobile machines for all fields of application are equipped with an increasing number of features. The resulting complexity of such systems requires thought-out yet flexible solutions for control and visualization. The mobile controller JetControlMobile 630 has been especially developed for this purpose. A wide range of connectivity options and its rugged design make the JetControlMobile 630 the perfect all-round controller for high-quality self-propelled vehicles and complex agricultural machines. Numerous useful functions which can be used across all industries open up a wide range of application options. Get some ideas for your projects from the following examples.



The controller which can also handle video

The multi-monitor controller JetControlMobile 630 combines outstanding video functions with high-performance HMI and PLC disciplines in one system.

A powerful CPU is the heart of the automation functions. Numerous interfaces offer high connectivity for complex architectures and ISOBUS connection. The visualization takes place with two displays; their power supply and data run via a common connector. A host of supported display formats and configurations allow a high flexibility in the arrangement of the screens. Six out of eight analog cameras are processed with minimal latency. The images can be freely scaled, cut, positioned or superimposed with graphic and text elements. This way, operating concepts exceeding the level of integration in modern passenger cars can be implemented in special-purpose vehicles with moderate application effort. The IEC-61131-3-compliant programming language STX, a plug-in for programming in C, and scalable vector graphics support by JetViewSoft offer a highly efficient workflow for control and visualization.

At a glance

- Powerful PLC with high connectivity
- Excellent HMI features on two displays
- Free positioning, size adjustment and scaling of 6 out of 8 camera images
- Integrated programming environment to IEC-61131-3 JetSym and JetViewSoft
- Plug-in for programming in C or 3rd party software
- Can be updated via USB flash drive



JetView 104 - A combination of HMI and controller



The JetViewMobile 104 is a very compact combination of a small-size HMI and an integrated high-performance controller. The JVM-104 is available in various configuration levels. From the basic version with a simple CANopen interface to the full version with two CAN interfaces, RS232, USB and M12x1 Ethernet port, the display controller can be ideally adapted to any task.

Many options: I/O nodes

Jetter AG offers a comprehensive selection of CANopen I/O nodes with different characteristics that can be used to implement scalable systems. All nodes are diagnostics-capable. Application developers are supported by extensive framework libraries.

Operating concept, diagnostics, graphics, and programming as a service

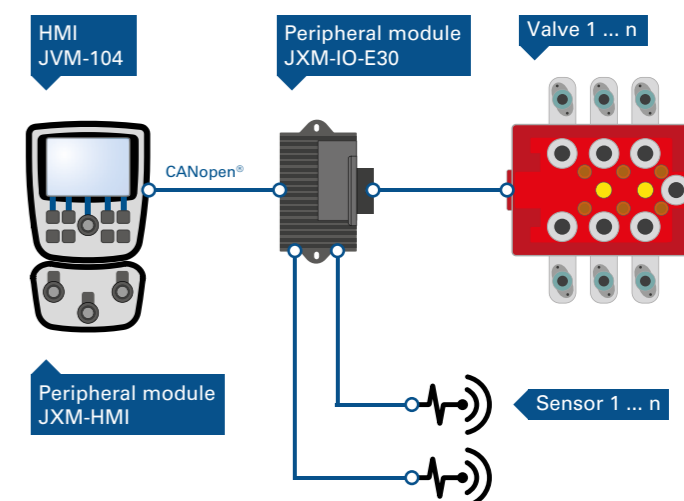
Pre-developed system solutions are available for numerous applications in agricultural and municipal technology. In addition to pure functional logic, these also include operating and diagnostic concepts which can be created from a large pool of graphic elements and ready-made masks. Customer-specific solutions can be implemented by our application team as an additional service.



Expansion modules

The JXM-HMI expansion module adds 3 push encoders to the JVM-104. This allows spreading and dosing solutions to be implemented with the greatest possible ease of operation and compact dimensions at the same time.

The JXM-HMI has a CANopen interface and can also be used as a stand-alone operating unit for very small systems.

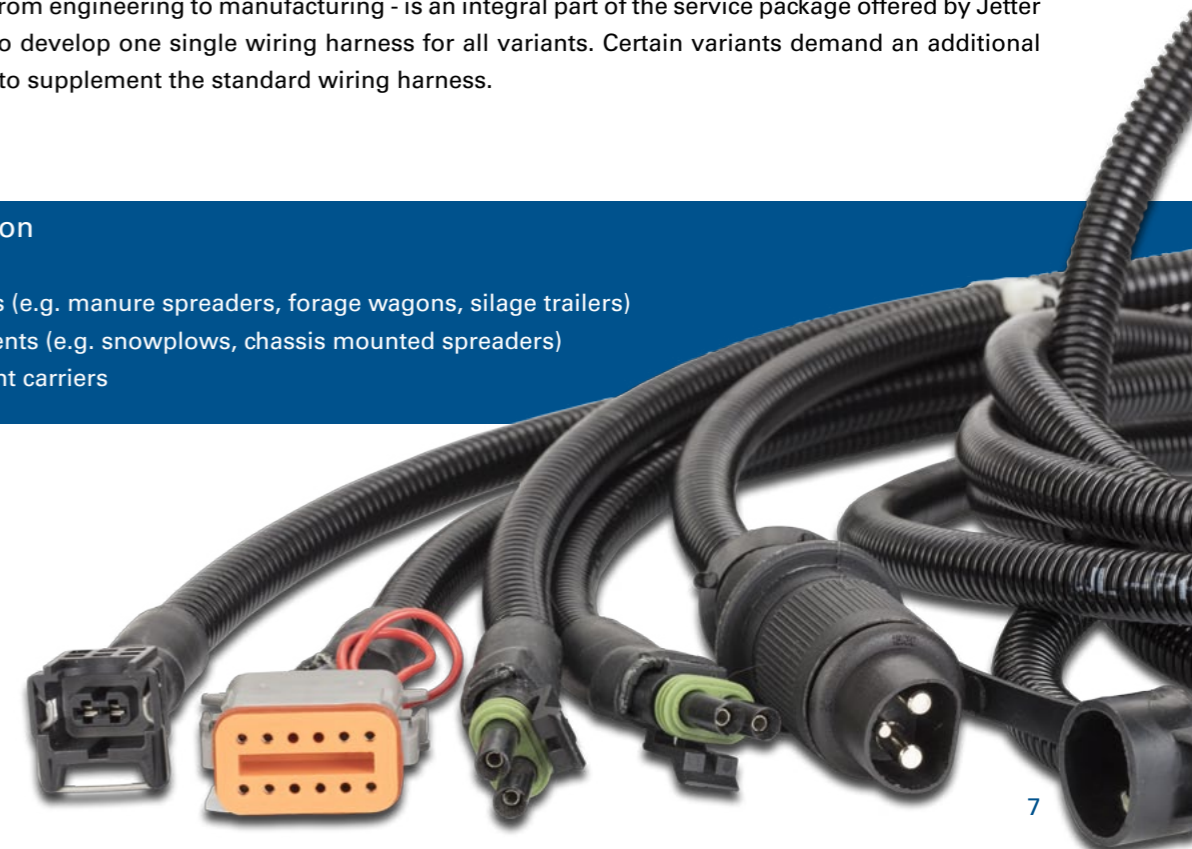


Wiring harnesses

The wiring harness - from engineering to manufacturing - is an integral part of the service package offered by Jetter AG. The objective is to develop one single wiring harness for all variants. Certain variants demand an additional small wiring harness to supplement the standard wiring harness.

Fields of application

- Agricultural trailers (e.g. manure spreaders, forage wagons, silage trailers)
- Municipal implements (e.g. snowplows, chassis mounted spreaders)
- Compact implement carriers



JetControlMobile 501 - the powerful compact controller



Derived from the display controller JetViewMobile 104, but without display and control elements, the JCM-501 is a pure master controller. Thanks to the high-performance control and the comprehensive connectivity with two CAN interfaces, RS232, USB and M12x1 Ethernet, this module represents the ideal solution for ISOBUS implementations that do not require an external display.

JXM-IO-E30 expansion module More possibilities and higher performance



The new JXM-IO-E30 expansion module is perfectly suited for distributed architectures in mobile machines and sets new standards in terms of size and functionality.

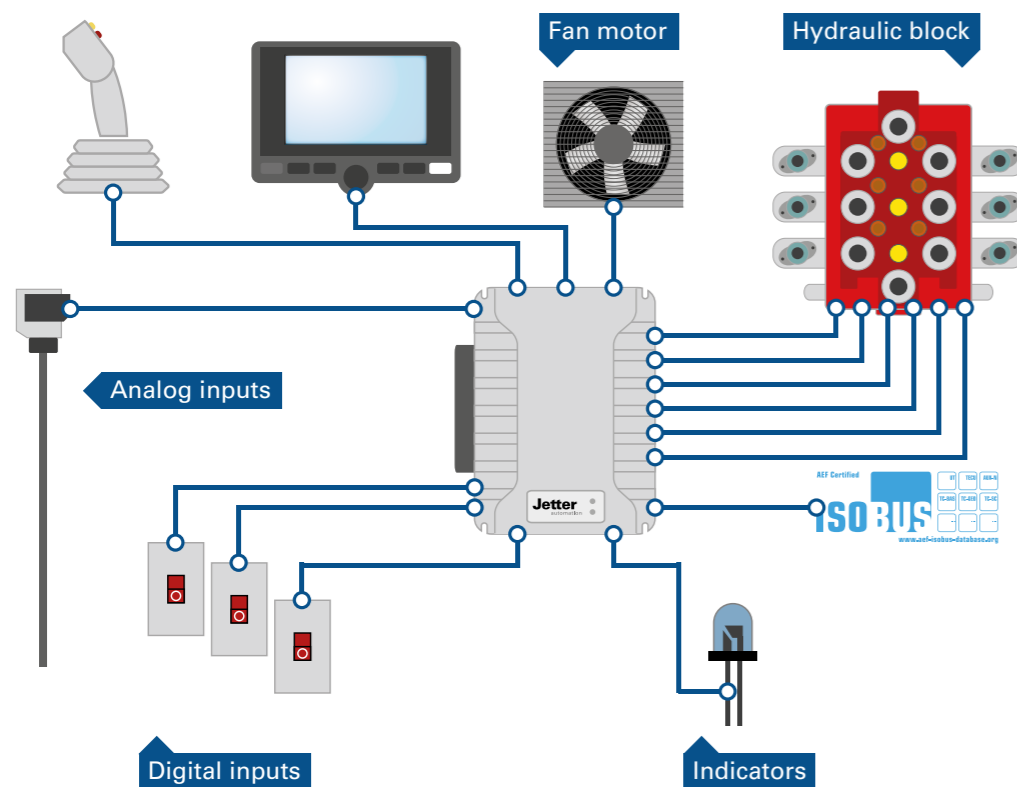
- 12 inputs and 14 diagnostics-capable outputs - including high current paths and PWM with current control
- High switching capacity thanks to parallel use of outputs and high continuous total current
- CAN ID addressing via tri-state inputs allows up to nine nodes in one network without software configuration, and thus supports the common part strategy
- Three short-circuit-proof sensor supplies allow "mission critical" sensor networks
- Rugged potted housing

Made for more

JetControlMobile 511. The all-round controller

The JetControlMobile 511 is a semi-modular high-performance controller standing out due to numerous equipment options:

- High-current outputs
- ISOBUS implementation
- High continuous total current
- High connectivity



For individual and flexible customer-specific developments

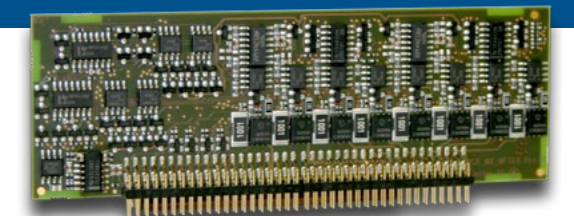
If many I/Os are needed, or if a terminal already exists, the controller JetControl-Mobile 511 is the best choice. The basic version is well equipped already with 24 I/Os comprising four digital/PWM outputs of up to 3.5 A ampacity, eight digital inputs and four interfaces (2x CAN, USB, LIN, optional Ethernet). Another special feature are its two H-bridges of 15 A continuous current. They can be used to directly control mo-

tors of higher performance classes. The controller is also able to operate ISOBUS terminals, as all JetControlMobile models can do. A unique feature of the controller in die-cast aluminum housing are two slots for optional add-on modules, the so-called MX modules. With these standard add-on modules, the controller can be expanded with up to 40 I/Os. MX modules can also be developed with individual circuit boards.



MX modules

- 8 outputs with/without current control
- 8 inputs
- 4 H-bridges



Jetter AG at a glance

For decades, the name Jetter AG has stood for highest demands on automation solutions that are used in a wide range of industrial and mobile automation sectors. Products and components by Jetter AG stand out thanks to their high degree of system integrity and diversity. Our in-house R&D departments (hardware and software), as well as our production plants in Germany allow us to always act in a quick and flexible manner. This, combined with a comprehensive range of Professional Services, enables us to put almost any customer request into practice.

Jetter AG
Graeterstrasse 2
71642 Ludwigsburg | Germany

Phone +49 7141 2550-0
Fax +49 7141 2550-425
info@jetter.de
www.jetter.de