

## b-ISOBUS IO Gateway

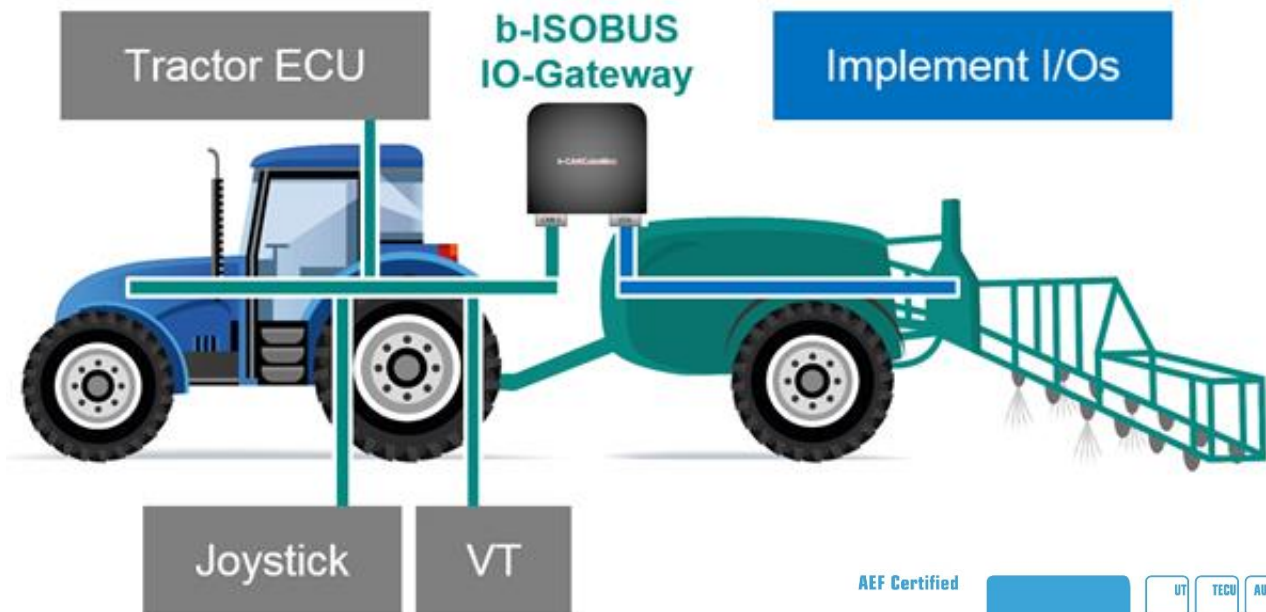


Illustration 1: b-ISOBUS IO Gateway



### Product overview

The b-ISOBUS IO Gateway provides a simple way to get your agricultural implement into the ISOBUS world. It provides the functionality of 5 parametrizable inputs and 6 parametrizable outputs to any ISO-VT. Therefore the gateway makes the entire Virtual Terminal client functionality as well as the AUX-N functionality available.

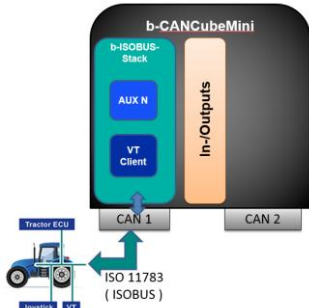
The gateway solution is built up of the AEF certified b-CANCubeMini controller and the ISO 11783-compliant b-ISOBUS stack.

All inputs and outputs are parametrizable directly on the tractor VT. Each input can be configured as voltage measurement 0-10V / 0-32V, frequency measurement, current measurement 0-20mA or digital high / low switching. Each output supports PWM, PWM current controlled or digital high / low switching.

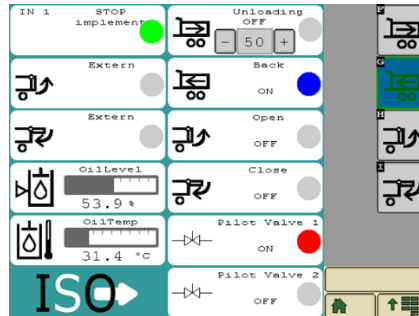
The b-ISOBUS IO Gateway is also available with optional Task Controller Client functionality incl. Section Control (up to 6 sections).

Furthermore it is possible to extend the b-ISOBUS IO Gateway with up to 3 slave modules. Each slave can handle 6 outputs / sections. Therefore a handling of maximum 24 sections is possible.

### Configuration



Workflow configuration



Main mask on VT



Configuration mask of an input







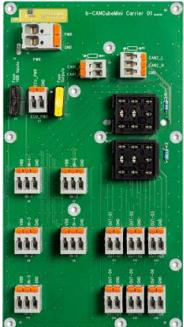
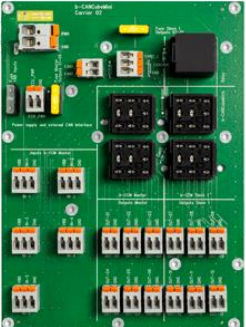
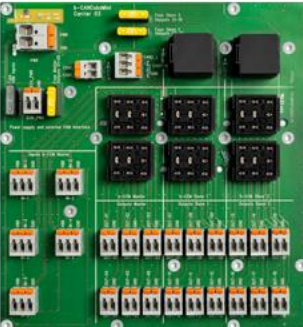
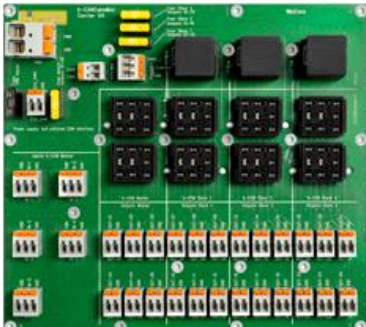
### Technical data

<b>Operating temperature</b>	-40 ... +85°C
<b>Protection class</b>	IP54
<b>Weight</b>	0,220 kg
<b>Qualification</b>	CE / E-Mark
<b>Dimensions</b>	71 x 73 x 32 mm (WxHxD)
<b>Housing</b>	Aluminum, black anodized
<b>Mounting</b>	Twin automotive relay, 2x 9-pole Back side 2x M3 inner thread Optional: Clamp for rail mount 35mm
<b>Bus interfaces</b>	1 CAN-Bus according to ISO11783 ISOBUS
<b>Power supply</b>	8 ... 32 V DC
<b>Inputs</b>	5 parametrizable inputs <ul style="list-style-type: none"> <li>- Digital high/low switching</li> <li>- Voltage 0..10V / 0..32V</li> <li>- Current 0..20mA</li> <li>- Frequency &lt;30kHz</li> </ul>
<b>Outputs</b>	6 parametrizable outputs (each max. 4A) <ul style="list-style-type: none"> <li>- Digital high/low switching,</li> <li>- PWM / PWM current control</li> </ul> (Up to 24 outputs with 3 slave modules)

Order-no.	Name
B20100-CCM-001-IGIO	b-ISOBUS IO Gateway
B20100-CCM-011-IGIO	b-ISOBUS IO Gateway TaskController incl. Section Control
B20100-CCM-001-IGSL	b-ISOBUS IO Gateway CAN Slave
B20100-CCM-000-M110	b-CANCubeMini-Relaismountset
B20100-CCM-000-M130	b-CANCubeMini-Railmountset
B20100-CCM-000-B01x	Carrierboards (B011: 1 Gateway, B012: +1Slave, B013: +2Slaves, B014: +3Slaves)
B20100-CCM-000-Hx00	Housing (H100: for Carrier B011, H400: for Carrier B012-B014)
B12093-ISO-001-0500 / 1000	b-ISOBUS Cable, 5m / 10m (4x0,5/2x2,5/2x6,0mm <sup>2</sup> )

Alle Daten bei 25°C Umgebungstemperatur, falls nicht anders angegeben. / All data at nominal input and 25° C ambient temperature, if not marked otherwise. ▪ Alle Daten dienen nur Informationszwecken und sind nicht als zugesicherte Eigenschaften aufzufassen. / All data for information purposes only, no assured characteristics. ▪ Technische Änderungen ohne vorherige Ankündigung sowie Irrtümer vorbehalten. / Technical modifications without notice and errors reserved. ▪ Belastung mit Extremwerten über einen längeren Zeitraum kann die Zuverlässigkeit beeinflussen. / Strain with extreme values for a longer period may affect the reliability. ▪ Alle Trademarks und Logos sind Eigentum der jeweiligen Unternehmen. / All trademarks and logos are property of the concerning companies. © b-plus mobile control GmbH • Jun-20 • Version 1.7

### Add-ons

<p><b>b-ISOBUS IO Gateway</b> <b>CAN Slave</b> B20100-CCM-001-IGSL</p>	
<p><b>b-ISOBUS Cable</b> B12093-ISO-001-0500 5m B12093-ISO-001-1000 10m</p>	
<p><b>b-CANCubeMini Mountingsets</b></p> <p style="text-align: center;">   <b>Relaismontset</b>              B20100-CCM-000-M110         </p> <p style="text-align: center;">   <b>Railmountset</b>              B20100-CCM-000-M130         </p>	
<p><b>b-CANCubeMini Housings</b></p> <p style="text-align: center;">   <b>H100</b>              B20100-CCM-000-H100              L:280mm W:164mm H:120mm         </p>	<p style="text-align: center;">   <b>H400</b>              B20100-CCM-000-H400              L:280mm W:290mm H:120mm         </p>
<p><b>b-CANCubeMini Carrier</b></p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="103 1579 343 1993">   <b>Carrier 01</b>              B20100-CCM-000-B011         </div> <div data-bbox="343 1579 630 1993">   <b>Carrier 02</b>              B20100-CCM-000-B012         </div> <div data-bbox="630 1579 981 1993">   <b>Carrier 03</b>              B20100-CCM-000-B013         </div> <div data-bbox="981 1579 1500 1993">   <b>Carrier 04</b>              B20100-CCM-000-B014         </div> </div>	

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