

General

Weight	1.2 kg
Temperature range	
Operating, ambient	-40 to +85 °C
Storage, ambient	-40 to +85 °C
Protection	IP66
Voltage supply	7.5 - 32 Vdc
Current consumption (idle)	60 mA (28 VDC) 70 mA (14 VDC)
Data interface	Parker ICP (IQAN CAN Protocol)

Outputs

Digital out high	16
Type	high-side switch
Max load	2.5 A
Max PWM frequency	500 Hz
Digital out low	4
Type	low-side switch
Max load	2.5 A

Inputs

Voltage inputs	10
Signal range	0 - 5 Vdc
Resolution	5 mV
Frequency inputs	4
Signal range	0 - 10000 Hz
Digital inputs	16
Signal high	3.65 Vdc - VBAT
Signal low	0 - 1.56 Vdc

Application

The IQAN-XC10 is an IQANdesign platform expansion module in the IQAN product group. This unit is designed to get a high digital I/O count in one module.

All IQAN expansion modules communicate with a master over a CAN bus, using the IQAN CAN protocol. The module has a large number of digital inputs for connection to switches. It also has analog inputs for connection to 0-5 Vdc sensors from resistive or Hall-effect sensors and joysticks. The sensors can be powered from the 5 V reference on the module. For flexibility, all of the analog voltage inputs can also be configured as digital inputs.

There are two types of frequency inputs, allowing for both active sensors, such as Hall effect sensors, and for inductive pickup sensors.

The module has a large number of digital outputs designed for driving on-off solenoids in a hydraulic system. The dedicated digital outputs can also be used for driving other types of loads, such as LEDs.

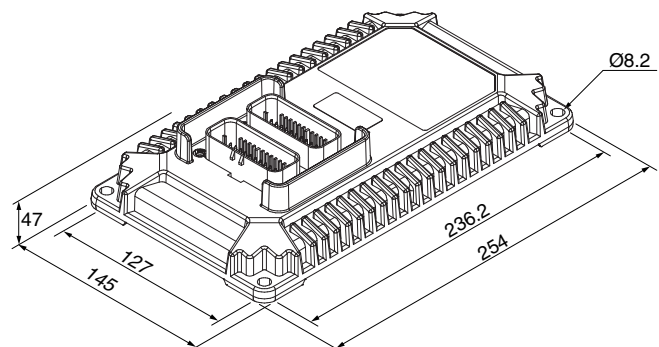
Some of the outputs can also be configured as PWM outputs, for less demanding proportional functions when temperature compensation is not needed. The PWM outputs are configured in pairs, where each pair is intended for one valve section. These outputs are monitored, and use a combination of high-side and low-side switches to make it possible to shut down in the event of wiring faults.

The IQAN-XC10 is designed for use on mobile machinery. It uses two keyed 35-pin Ampseal connectors. The unit also has two LEDs for aiding diagnostics when it is not connected to a master display.

The IQAN-XC10 is a mature product and is not recommended for new installations.

Description
 IQAN-XC10

Ordering PN
 20077638ECD



units=mm