



General

Weight	0.2 kg
Rated power supply	12-24 Vdc
Min/max power	9/32 Vdc
Operating temperature	-30°C to +70°C
(reduced display update)	-30°C to -10°C
Protection	outdoor use
Current consumption	max 100 mA (28 Vdc), max 180 mA (14 Vdc)
Data interface	Parker ICP (IQAN CAN Protocol)

Display

Type	2.8" B/W LCD
Resolution	202x32 pixels
Performance	
Processor	16-bit (16 MHz)
Sample time	20-100 ms
Software tools	IQANdevelop family

Communication interfaces

CAN (ISO 11898)	1
Protocols	ICP, SAE J1939, CANopen, etc
RS-232	1
Protocols	AT-Hayes, GSM07.07, GSM07.05, IDP

Outputs

Digital output	1
Type	high side switch
Max load	1.2 A
Buzzer	Sound alarm output

Application

The IQAN-MDM is a legacy master unit that works with the expansion modules in the IQANdevelop platform control system. The IQAN-MDM is fully programmable for use in any machine application. The unit works as a master for controlling applications, as a graphical user interface and as a CAN interface.

IQAN-MDM uses an improved 2.8" FSTN, black & white LCD for the best readability in all lighting conditions. The improved display uses Chip-On-Glass technology for higher reliability.

Function buttons and control buttons in combination with a graphical display makes system feedback with user interaction possible. With the three function buttons, a decrease/increase value-button and an escape-button, it is easy to adjust, calibrate and measure the IQAN system. In case of an error the display will alert the operator with a signal and a message on the display.

IQAN-MDM is designed for in-cab as well as outdoor use. It can be used in both 12 and 24 Vdc systems. The IQAN-MDM is connected to other units by a CAN bus. The CAN bus may be configured as ICP (IQAN CAN Protocol), SAE J1939 or Generic CAN. The RS232 interface is used for connection with PC and for land line or wireless modem (remote diagnostic) connection.

The IQAN-MDM also contains a real time clock, an alarm output and can present text in 10 different languages. A green LED indicator on the back of the module indicates supply voltage and status "heartbeat".

The MDM is not recommended for new installations.

Description

IQAN-MDM

Ordering PN

5010010

