

Parker Hannifin Display Module Comparison



IQAN MD5 Display Module



IQAN MD4 Display Module

**Not recommended for new designs*

	MD4	MD5
Display	Three Sizes: 5.7" 640 x 480 pixels 7" 800 x 480 pixels 10.1" 800 x 600 pixels	Four Sizes: 5" 800 x 480 pixels 8" 1280 x 720 pixels 10.1" 1280 x 800 pixels 12.3" 1920 x 720 pixels
Weight	5" - 0.67 kg 7" - 0.93 kg 10" - 1.5 kg	5" - 0.43 kg 8" - 0.75 kg 10" - 1 kg 12" - 1.15 kg
Touch Interface	PCAP	PCAP
Backlight	LED	LED
Voltage Supply	9-32 Vdc	9-32 Vdc
Current Supply (Idle)	300 mA (28Vdc) 600 mA (14Vdc)	300 mA (28Vdc) 600 mA (14Vdc)
Current Supply (RTC)	3.7 mA (28 Vdc) 1.7 mA (14 Vdc)	-2 mA (28 Vdc) -1 mA (14 Vdc)
Compliance Marking	2004/108/EC 2011/65/EU (RoHS II)	CE, UKCA, E-mark R10
Processor	ARM Cortex-A8, (800 MHz)	4xCortex A53, (1.25 GHz)
Memory	2GB Flash 256 MB SDRAM	8 GB Flash 512 MB DRAM
Cycle Time	10 to 100 ms	50 to 100 ms
CAN Communication Protocols	(ISO 11898) - 4 (2) ³ ICP, SAE J1939, CANopen, etc.	(2.0B/FD) - 3 IQAN proprietary, SAE J1939, and CAN
Ethernet 100Base-TX Electrical Connection	2(1) ^{2,3} 2 x Deutsch DTM, 12 pos 2 x M12, D-code, 4 pos	IQAN MD5-5: 1 IQAN MD5-8/10/12: 2 1 x Molex MX123, 56 pos Built Into Primary Connector
Ethernet Connection	4 x Low side Max Load, 1 Output Max Load, All Outputs	2 x LS / 300 mA 1 x 5 Vdc / 150 mA
Digital Outputs	Digital Inputs: 10 Encoder Input: 1 Signal Range: 0 - 500 Hz, 50/50 Signal Voltage Inputs: 2 Signal Range: 0 - 5 Vdc, 12 bit	Digital Inputs: 8 Encoder Input: 2 Signal Range: 0 - 500 Hz, 50/50 Signal
Inputs		
Operating Temperature	-30°C to 70°C	-30°C to 70°C
Storage Temperature	-40°C to 85°C	-40°C to 90°C
Protection	IP65	IP65