

EtherCAT SubDevice

QEC-R Series

16-ch Isolated Digital Input / Output

QEC-RXXDF0H/D0FH/DF0S/D0FS

- Operating Temp.: -20 ~ +70°C
- 107.45 x 77.3 x 34mm
- Compact size
- Isolated Digital I/O



Model Name	QEC-RXXDF0H	QEC-RXXD0FH	QEC-RXXDF0S/D	QEC-RXXDFS
Digital Type	Input	Output	Input	Output
I/O Type	Sink			
Channel	16 (Isolated Channel)			
I/O Frequency	8KHz	8KHz	500Hz	500Hz
Propagation Delay Time	150µs	50µs	150µs	50µs
Mailbox Service	Yes	Yes	No	No
Distributed Clocks	Yes	Yes	No	No
Power Requirement	+19 to +50VDC Power Input (Typ. +24VDC@100-140mA)			
LED Indicator	PWR, RUN, LINK, ERROR, DI/O status			
Isolation Protection, Optocoupler	2500Vrms	3750Vrms	2500Vrms	1500Vrms
Internal Monitoring	Yes	Yes	Yes	Yes

32-ch Digital Input / Output

QEC-RXXDT0H/D0TH/DT0L/D0TL

- Operating Temp.: -20 ~ +70°C
- 107.45 x 77.3 x 34mm
- Compact size
- Digital I/O



Model Name	QEC-RXXDT0H	QEC-RXXD0TH	QEC-RXXDT0L	QEC-RXXD0TL
Digital Type	Input	Output	Input	Output
I/O Type	Sink			
Channel	32 (4 DIO : 1 GND)			
I/O Frequency	8KHz	8KHz	Non-PoE	Non-PoE
Propagation Delay Time	150µs	50µs	150µs	50µs
Mailbox Service	Yes	Yes	No	No
Distributed Clocks	Yes	Yes	No	No
Power Requirement	+19 to +50VDC Power Input (Typ. +24VDC@100-140mA)			
LED Indicator	PWR, RUN, LINK, ERROR, DI/O status			
Isolation Protection, Optocoupler	2500Vrms	3750Vrms	2500Vrms	3750Vrms
Internal Monitoring	Yes	Yes	No	No

EtherCAT HID: Gateway

QEC-RXXHU5S/9S

- Operating Temp.: -20 ~ +70°C
- 107.45 x 77.3 x 34mm
- Compact size
- RS232/RS485/MPG/Keypad/LCM



Model Name	QEC-RXXHU5S	QEC-RXXHU9S
Connector	UART port x2	UART port x2 (D-Sub 9-pin)/MPG Hand-wheel
Interface Mode	RS232/RS485	RS232/RS485, MPG, Keypad, LCM
Data Transfer Rate	2400, 4800, 9600, 14400, 19200, 38400, 57600, 115200	
Interface	-	Keypad (4x4) / LCM (2 lines, 16 characters per line)
LED Indicator	PWR, RUN, LINK, ERROR, TX/RX/MPG/KEYPAD/LCM Status	
Internal Monitoring	Temperature, Voltage, Current, Start time	

EtherCAT Motor Drivers

QEC-RXXMP3S/MV3S

- Operating Temp.: -20 ~ +70°C
- 107.45 x 77.3 x 34mm
- Compact size
- Drive Profile CiA402, G-code



Model Name	QEC-RXXMP3S	QEC-RXXMV3S
Number of Motors	3 x Stepper Motors (2-phase bipolar stepper motor)	3 x Pulse command Output
Drive Profile	CiA402, G-code	
Minimum Cycle	125µs	
Synchronization Mode	DC, SM2, FreeRun	
Operation Mode	PP, CSP, CSV, HM	
Encoder Inputs	3x Encoder counter (A, B, Z), differential	
Encoder Pulse Frequency	14 MHz	
Power Consumption	Min. 7.2 W	
Internal Monitoring	Temperature, Voltage, Current, Startup time	
LED Indicator	PWR, RUN, LINK, ERROR, Alarm, Home, Motor	

EtherCAT SubDevice

QEC-RXXDFFG

- Operating Temp.: -20 ~ +70°C
- 107.45 x 77.3 x 34mm
- Isolated 32-ch Digital I/O
- 2-ch ADC/DAC
- RS232/485



QEC-RXXJT1S/JT2S

- Operating Temp.: -20 ~ +70°C
- 107.45 x 77.3 x 34mm
- EtherCAT Junction
- EtherCAT Fiber Optics



QEC-RXXA44S

- Operating Temp.: -20 ~ +70°C
- 107.45 x 77.3 x 34mm
- 16-bit DAC/ADC Interface
- Internal Monitoring Information

