



Module Name/Title	QEC-RXXDF0K	QEC-RXXD88K	QEC-RXXD0FK
Digital I/O			
Channel	16-ch Digital Input (Isolated Channel)	8-ch Digital Input & 8-ch Digital Output (Isolated Channel)	16-ch Digital Output (Isolated Channel)
Input/Output Type	Sink (Supports both NPN and PNP configurations)		
DI - Frequency	Safe Operating Frequency: ≤ 3000 Hz		-
DI - Delay	Rise Time (tr): 6 μ s, Fall Time (tf): 6 μ s		
DI - Load Voltage	+24 Vdc (Options: 24V or 48V)		-
DO - Frequency	-	Operating Frequency: 1000Hz	
DO - Delay	-	Turn-On Time: 0.25 ms, Turn-Off Time: 20 μ s	
DO - Load Voltage	-	+56 Vdc	
DO - Load Current	-	Typ. 500mA (Peak 1000mA)	
Isolation Protection	2500 Vrms	DI : 2500 Vrms DO: 1500 Vrms	1500 Vrms
EtherCAT			
Connector	RJ-45 (Red housing for PoE; Black housing for non-PoE)		
Cable Type	Ethernet/EtherCAT Cable (Min. CAT 5), Shielded		
Cycle Time	500 μ s	1 ms	1 ms
Mailbox Service	Yes	Yes	Yes
Distributed Clock (DC)	Yes	Yes	Yes
FoE	Yes	Yes	Yes
General			
I/O Connector	Euroblock (Digital Input: Red; Digital Output: Orange; Negative Electrode: Black)		
Power Connector	4-pin Power Input/Output (+V: Red / GND: Black) and 2-pin FGND (Green)		
Power Requirement	+19 to +50VDC Power Input (Typ. +24VDC)		
Power Consumption	3W	3W	3W
Operating Temperature	-20 to +70°C		
Dimension	105 x 77.4 x 34 mm		
Weight	235 g	237 g	240 g
LED Indicator	PWR, RUN, LINK, ERROR, DI/DO status		
Certifications	CE, FCC, VCCI		
Mounting	DIN-Rail		
Internal Monitoring	Temperature, Voltage, Current, Start-up time		

Ordering Information

QEC-R00DF0K-N	EtherCAT SubDevice 16-ch DI Module (PNP/NPN, Isolated)
QEC-R00D88K-N	EtherCAT SubDevice 8-ch DI + 8-ch DO Module (PNP/NPN, Isolated)
QEC-R00D0FK-N	EtherCAT SubDevice 16-ch DO Module (PNP/NPN, Isolated)

* For detailed ordering information, please contact our sales staff or view the user manual.

Dimension

