



(KINGFISHERPLUS

Resilient and secure modular automation platform for critical and demanding SCADA applications

				ГΡ	

Maximum I/O points	1008		
Backplanes	Up to 4 × 2, 4, 6 or 12 slots plus 4 × 4 slots per RTU		
I/O configuration	Automatic/manual		
Backplane sizes	2 / 4 / 6 / 12 slots		
Removable I/O connectors	Yes, with locking screw for security		
Digital modules	Max. 16 inputs or 16 outputs/module		
Analog modules	Max 8 inputs or 4 outputs/module		

Analog modules	Max. 8 inputs or 4 outputs/module			
PROCESS CONTROL UNIT	CP-12	CP-35		
CPU	40MHz x86	1GHz ARM9		
Memory	512kB	256MB (512MB ECC)		
FLASH RAM	512kB	2GB eMMC (expandable)		
micro SD Card	No	up to 32GB		
Clone System to SD Card	No	Automatic Cloning		
Battery Backup	>7 years	>20 years		
Event logging	20,000	100,000 events (up to 10 DNP3 masters)		
Configuration Software	Toolbox32	ToolboxPlus		
Programming Languages	Ladder Logic	IEC61131-3, All 5 languages, with user defined function blocks		
Send config via serial cable	Yes	Yes		
Send config via Ethernet	Yes	Yes		
Send config remotely	Yes	Yes		
Load config from USB Stick	No	Yes		
Update Firmware from USB	No	Yes		
Save Diagnostics to USB	No	Yes		
Password Protected Menu System	No	On CPU via OLED Display		
Configs stored in FLASH	1	4 + Factory default		
Firmware stored in FLASH	1	4 + Factory default		
Security	Port security	Role based access, IP white listing, secure webserver, selective lockdown of features, Audit log		
Protocols	Available as drivers at no	Available with standard firmware		

COMMUNICATIONS SUPPORTED

Total Ports / RTU	CP-12: up to 16	CP-35: over 20
Master/slave	Yes	
Peer-to-peer	Yes	
Redundant/Fallback pathways	Yes	
Protocols	Serial and IP version DNP3 and Kingfish & 104, SNMP, HTTI with more available.	er; IEC60870-5-101 P, HTTPS and SSH

extra cost

at no extra cost

OPTION CARDS

CP-12 and MC-12	1 × RS232/RS485 serial		
	port, 2 × option card slots		
CP-35 and MC-35	2 x RS232/RS485 serial		
	ports, 1 x USB,		
	1 x Ethernet,		
	2 x option card slots		
MC-31	1 x Ethernet port,		
	2 x option card slots		
Available option cards	A4 - Ethernet fibre		
	T4 - Copper Ethernet		
	H - HART interface		
	I - Serial copper		
	I2 - Dual serial copper		

DIAGNOSTICS

Pre-programmed	Yes		
I/O modules	LEDs (and via CP-35 OLED)		
CPU modules	CP12: LED CP-35: OLED		
Power supply modules	LEDs (and via CP-35 OLED)		
Report via network	Yes		
Software	Yes		
Communications	Yes		
analyser			
Service Report	Yes		

L - Private line

POWER

AC supply	100 to 240 VAC
DC supply	20 to 60 VDC
	or 96 to 300 VDC
Solar supply	10.5-16.0 VDC
Power down modes	Yes
Battery backup	Yes
Battery size	Various
Battery charging option	Yes, with Thermal
	compensation

ENVIRONMENTAL

Operational	-40° to 85°C
temperature	(see hardware manual
	for exceptions)
Storage temperature	-40° to 85°C
Humidity	5% to 98% RH
	non-condensina

REDUNDANCY LEVELS

CPUs/RTU	2	
Power supplies/rack	2	

