



CP-35 Technical specifications



MENU



I/O



HARDWARE



SYSTEM

Kingfisher Plus CP-35 specifications

PROCESSOR

Type	ARM Cortex A-9
Speed	1GHz
Data bus	32Bit
SDRAM - standard (with 2 bit ECC)	256MB
Flash memory - standard (eMMC)	2GB
Display	OLED 96 x 96 pixels
Battery back up - lithium	RTC 20 years
CPU redundancy	
CPU clone with uSD card installed	

BACKPLANE

Maximum addressable slots	64
Backplane - passive	2 / 4 / 6 / 12 slots
Backplane - active V1 (9-15VDC supply)	2 / 4 / 6 slots

INPUT AND OUTPUT MODULES

Kingfisher I/O modules	Yes
Maximum direct I/O	1008
I/O configuration - auto/manual	Yes
Removable wiring connections	Yes
Field power from module, DI, AI, AO	Yes
Field isolation (1.5 to 5KV) refer module	Yes
Hot swappable	Yes

COMMUNICATIONS SUPPORTED

Total ports per RTU	>20
Base ports fitted	1 Ethernet 1 USB-A 2 Serial RS232/485
Option positions	2
Max ports per CP module	7
Supported MC modules	MC-30/31/35
Communication options Supported	Yes

PROTOCOLS

Kingfisher II	Yes
Modbus	Yes
DNP3	Yes
DNP3 Secure V2	Yes
SNMP	Yes
SSH	Yes
HTTPS	Yes
TCP/IP	Yes
UDP/IP	Yes

CONFIGURATION / ACCESS

Toolbox Plus V5	Yes
Local (PC/Laptop)	Yes
Remote via network	Yes
Firmware file stored	5
Configuration file stored	5

SECURITY

Role base access	User Configurable
Secure firmware deployment MD5	Yes
Digitally signed firmware	Yes
Toolbox Plus SSH	Yes
Audit logging	Yes
Achillies certification	Level 1

LOGIC LANGUAGE

IEC61131-3 (5 languages)	Yes
ISaGRAF V 5.13	

DEBUG/DIAGNOSTICS

Local watchdog timer	Yes
Communications status	Yes
Configuration display	Yes
I/O Status	Yes
Comms analyser	Yes
Webserver	Yes
Service report	Yes

POWER

AC supply - PS-1x	100-240V AC
DC supply - PS-2x	20-60V DC 96 - 300V DC
Solar / DC supply	10.5 - 16.0V DC
Redundancy	Yes
Battery back up	Yes
Battery charging option	Yes

ENVIRONMENTAL

Ambient operating Temperature	-40°C to +85°C
Storage temperature	-40°C to +85°C
Humidity - non condensing	5% to 98% RH

For additional technical specifications please refer to the user manual.



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