



Kingfisher Plus

Highly resilient and secure modular remote telemetry data platform for critical and demanding SCADA applications.

 **servelec** technologies



The Kingfisher Plus RTU platform is capable of managing intensive SCADA and telemetry applications.

Kingfisher Plus provides:

- High availability via:
 - redundant processors.
 - redundant power supply.
 - redundant communications.
- Modular and scalable construction.
- High security.
- Wide operating temperature range.
- Integrated field power for DI, AI and AO.
- High accuracy and performance.
- OLED colour display for onsite diagnostics and configuration.



The Kingfisher Plus platform features:



A modular design enabling scalable communications and I/O expansion.



Protection against unauthorised access via enhanced security on a project and user access basis.



Colour OLED display for dynamic real-time onsite diagnostics.



One to over 20 communications ports and up to 1008 direct I/O points.



Redundant processors, power supply and communications modules.



Intelligent I/O modules capable of counting up to 10kHz, quadrature counting, sequence of events monitoring and GPS time synchronisation.



-40°C to +85°C operating temperature range.



Extensive support with industry leading DNP3, Modbus and SNMP protocols.



Reliable, industrial quality memory with 256MB ECC RAM, and 2GB eMMC FLASH.

Features and Benefits

High-performance processing platform

32-bit, 1GHz multi-core ARM CPU that easily manages high I/O and data loading.

Open, programmable automation environment

Based on ISaGRAF, Toolbox Plus supports all IEC 61131-3 languages.

Rich function block library

Pre-engineered function blocks provide invaluable programming shortcuts and rich, easily implemented, functionality.

Broad communications compatibility

A complete array of hardware options plus a rich protocol and function library for network compatibility.

Architecture

Intelligent I/O modules that are easy to install and configure, eliminating issues with third party hardware.

Toolbox Plus software



Toolbox Plus configuration software simplifies complex telemetry applications by eliminating the need to open and switch between multiple software packages. The Toolbox Plus integrated environment combines configuration, programme development and maintenance in one easy to use package. With Toolbox Plus:

- CP-30 projects can be converted to CP-35 projects in a single click.
- Plug and go replacement is supported.
- Multiple versions of firmware and configuration are available for instant, real time switching and fall back.
- Enhanced security and public/private key signed firmware prevents unauthorised tampering.
- Redundancy and configuration is simplified.
- An integrated webserver provides access to key RTU data via any web browser.



The KingfisherPlus RTU range.

The Kingfisher Plus RTU range is a highly resilient and secure automation and data processing platform featuring IP connectivity, extensive I/O capability and open programming for critical and demanding industrial applications. The Kingfisher Plus RTU range is available in a cost effective modular format and is an ideal solution for a broad range of applications where remote processing, communications power, security and resilience is essential. Applications include:

Water

- Water distribution networks
- Wastewater networks
- Pump station control and monitoring
- Irrigation, channel, and reuse schemes
- Pressure and flow monitoring and control

Oil & Gas

- Upstream generation and compression
- Metering
- Transmission
- Domestic distribution networks

Transport

- Rail fixed asset monitoring and non-critical control
- Power track monitoring and control
- Remote signalling monitoring and non-critical control
- Rail communication infrastructure

Broadcast

- Remote asset monitoring and control for national broadcasters
- Site asset control and monitoring
- Remote monitoring of feed, Tx levels and site conditions
- SMS and SNMP data coordination

Power

- Electrical transmission and distribution monitoring and control
- Power generation water management
- Substation automation
- Line and power condition monitoring
- Power generator remote control

Other Applications

- Mining, water distribution, pondage and environmental
- Airports, water distribution, power reticulation and airbridge control
- Asset monitoring (cement silos, chemical tanks)

Plus many more...



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