



# iO Supervisor

## EMBRACE THE FUTURE OF TELEMETRY AND MONITORING

The **iO Supervisor** is an industrial-grade all-in-one remote telemetry and control unit designed to optimize your large and medium critical facility operations and reduce downtime effortlessly into diverse systems and protocols, making it the ultimate choice for streamlined and reliable facility management

Leverage real-time monitoring to receive notifications and prevent costly downtime. With data-driven intelligence, ensure efficient operations and resource utilization such as truck roll dispatch and capacity planning. Its scalable and flexible architecture adapts seamlessly to growing infrastructure needs, ensuring longevity and adaptability.

With its cost-saving capabilities, it minimizes operational expenses through efficient data transport and centralized management.



Elevate your monitoring and control capabilities to new heights.

### FEATURES



MULTI-PROTOCOL  
GATEWAY



EDGE COMPUTING



SECURE REMOTE  
MANAGEMENT  
PLATFORM



CENTRALIZED  
ACCESS



UP TO 100X  
CONNECTED  
DEVICES



STREAMLINE  
DATA TRANSPORT

## BENEFITS

### INCREASED EFFICIENCY

Streamline operations with automated decision-making and rapid response to issues.

### SIMPLIFIED INFRASTRUCTURE & COST SAVINGS

Combining two devices into one reduces hardware requirements, simplifies the overall system architecture, and potentially lowers costs associated with equipment and maintenance.

### INCREASED FLEXIBILITY

The integrated device can handle a wider range of tasks and adapt to various industrial applications, from utilities and telecommunications to manufacturing and data.

### SCALABILITY

Adapt to your growing needs with flexible integration options.

### ENHANCED SAFETY

Proactively monitor and control potentially hazardous situation.

### ADVANCED DATA PROCESSING

The inclusion of edge computing capabilities enables on-site data processing and analysis, reducing latency and improving real-time decision-making.

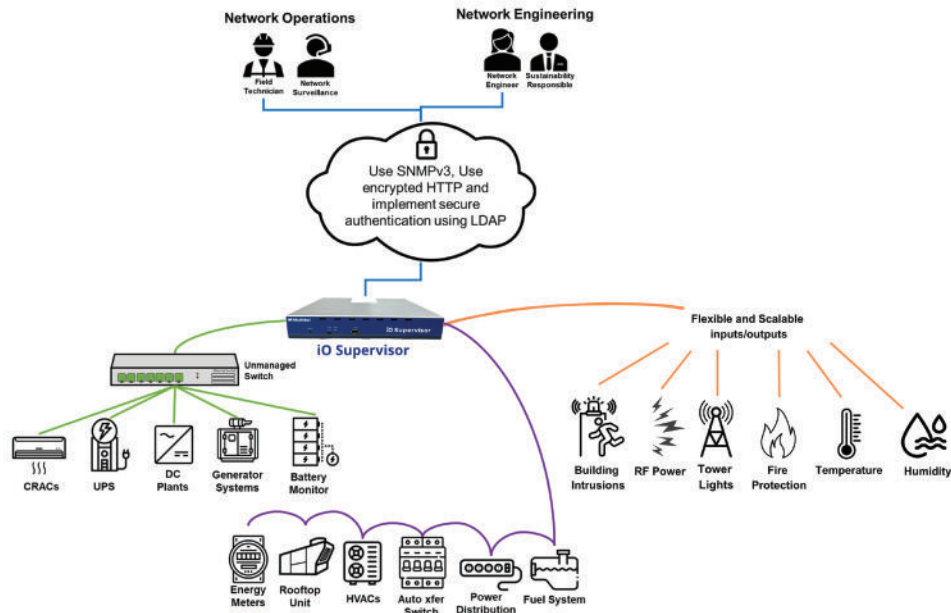
### IMPROVED SYSTEM INTEGRATION

By merging the integration capabilities of both devices, the iO Supervisor can more effectively connect and manage diverse systems and legacy equipment.

### CYBERSECURITY

HTTPS, LDAP authentication, SNMP v3 traps and a WAN/LAN application to maintain visibility on data of unsecure devices.

## SMART, EFFICIENT, RELIABLE AND IT-SECURED MONITORING TOOLS



# SPECIFICATIONS

## GENERAL SPECIFICATIONS

Operating Input Voltage	-18 to -60 VDC (A & B feed) w/ Fail Relay   Optional: 120 VAC Power Supply
Operating Temperature	-40 to +65°C (-40 to 149°F)
Dimensions	45.27 mm x 283.46 mm x 254.48 mm (1.78 in. x 11.16 in. x 10 in)
Weight	2520g (5.5 lbs)

## COMMUNICATION / NETWORK INTEGRATION

Serial Ports	2x RS-485 (2-wire)
Ethernet Ports	10/100Mb – 1Gb
USB	3x USB 2.0
USB OTG	1x micro-USB 2.0
Serial Protocols	Modbus RTU (Controller/Responder)
IP Protocols	Modbus TCP/IP (Client) SNMP Get v1, v2, v3; SNMP Agent v1, v2, v3
Passthrough Protocols	HTTP/HTTPS, Telnet/SSH, FTP/SFTP/SCP
Ethernet Protocols	HTTP/HTTPS
CPU	1GHz Quad-Core
Memory	1 GB DDR3
Disk	E8 GB (Expendable to 32 GB)

## CERTIFICATIONS

Safety	UL 62368-1:2014 Ed.2 CSA C22.2#62368-1:2014 Ed.2
Emission	FCC Part 15, Subpart B   ICES-003

## EXPANSION I/O MODULES

Analog Inputs	Up to 11 channels (0-60Vdc, 0-10Vdc, 50mV, AC Volts, AC Current, Temperature, Humidity)
Binary Inputs	Up to 64 channels referenced
Binary Outputs	Up to 8 relays

## TRAP PERFORMANCES

500 Data points/10 sources	60 Traps received / second   2 Traps inform forwarded / second
1500 Data points/10 sources	60 Traps received / second   2 Traps inform forwarded / second
3000 Data points/10 sources	1.5 Traps received / second   1.5 Traps inform forwarded / second

## WHY CHOOSE iO Supervisor?

The iO Supervisor offers unmatched versatility, combining the diverse functionalities of the Fusion and the iO Gateway. Whether you need advanced system integration or secure network access, the iO Supervisor has you covered.

With the iO Supervisor, you can replace multiple devices with a single, efficient unit, reducing complexity and improving reliability. Its robust design ensures continuous operation even in demanding environments.

From site monitoring to environmental control, the iO Supervisor provides comprehensive tools to keep your systems running smoothly. Gain real-time insights and take proactive measures to maintain optimal performance.

Its versatile features make it the ideal choice for businesses looking to modernize their infrastructure and gain a competitive edge in today's data-driven world.

## KEY MARKETS SECTORS



TELECOMMUNICATIONS



POWER UTILITIES



RAILWAYS



CATV/BROADBAND



ENERGY

By combining the best of the FUSION and the iO Gateway, the **iO Supervisor** provides a wide range of features:

- IPAM (IP Address Management)
- Smart Battery Integration
- Protocol Conversion
- Edge Computing
- Secure Network Access
- Capacity Management
- Legacy RTU Replacement & Management
- Site Monitoring

Data source dashboard

Status	ID	Datapoint Description	Protocol	Slave ID	IP Address	Value	Actions
●	[Alpha_Max_SNMP1]	DC Plant - Alpha - Cordex CXC HP	SNMP		10.20.4.89		Refresh
●	SAI1	System Voltage				53.0 V	Refresh
●	SAI2	Input AC Voltage				119.8 V	Refresh
●	SAI3	Total Load Current				10.1 A	Refresh
●	[Alpha_Max_SNMP2]	DC Plant - Alpha - Cordex CXC HP	SNMP		10.20.4.89		Refresh
●	SAI1	System Voltage				53.0 V	Refresh
●	SAI2	AC Input Voltage				119.8 V	Refresh
●	SAI3	Total Load Current				10.1 A	Refresh
●	[Alpha_Max_SNMP3]	DC Plant - Alpha - Cordex CXC HP	SNMP		10.20.4.89		Refresh
●	[Alpha_Max_STD]	DC Plant - Alpha - Cordex CXC HP	Modbus TCP/IP	2	10.20.4.89		Refresh
●	MAA1	System Voltage				53.0 V	Refresh
●	MAA2	AC Input Voltage				119.8 V	Refresh
●	MAA3	Total Load Current				10.1 A	Refresh
●	[Alpha_Max_TRA]	DC Plant - Alpha - Cordex CXC HP	Modbus TCP/IP	2	10.20.4.89		Refresh

Settings interface

Name	Protocol	Source Port	Destination IP	Destination Port	Additional Port	Action	Status	Web Access
P1	HTTP	8080	10.20.343	80	8081	Passthrough	●	Refresh
P2	FTP	2122	10.20.343	21		None	●	Refresh
P3	HTTP	8080	10.20.343	80		None	●	Refresh
P4	HTTP	9000	10.20.428	80		None	●	Refresh
P5	HTTP	9000	10.20.423	80		None	●	Refresh
P6	SSH	2202	10.20.422	22		None	●	Refresh
P7	HTTP	9000	10.20.423	80		None	●	Refresh
P8	HTTP	9000	10.20.342	80		None	●	Refresh

**Multitel**

3710 Wilfrid Hamel Blvd.  
 Quebec (QC) G1P 2J2  
 Tel 418.847.2255  
 Toll Free 1.888.685.8483  
 info@multitel.com

multitel-inc

The iO Supervisor is not just a product; it's a strategic advantage for your business.

Contact us today:  
**multitel.com**