

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

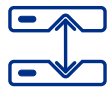
Leverage real-time monitoring to receive notifications and prevents costly downtime. With data-driven intelligence, ensure efficient operations and resource utilization such as truck roll dispatch and capacity planning. Its scalable and flexible architecture adapts seamlessly to growing infrastructure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



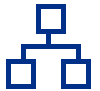
SECURE REMOTE
MANAGEMENT
PLATFORM



CENTRALIZED
ACCESS



UP TO 100X
CONNECTED
DEVICES



STREAMLINE
DATA TRANSPORT

BENEFITS

DATA-DRIVEN INSIGHTS

Streamline operations with automated, data-based, 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.

SCALABILITY & FLEXIBILITY

Adapt to your growing needs with flexible integration options.

REAL-TIME MONITORING

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 rel-time decision-making.

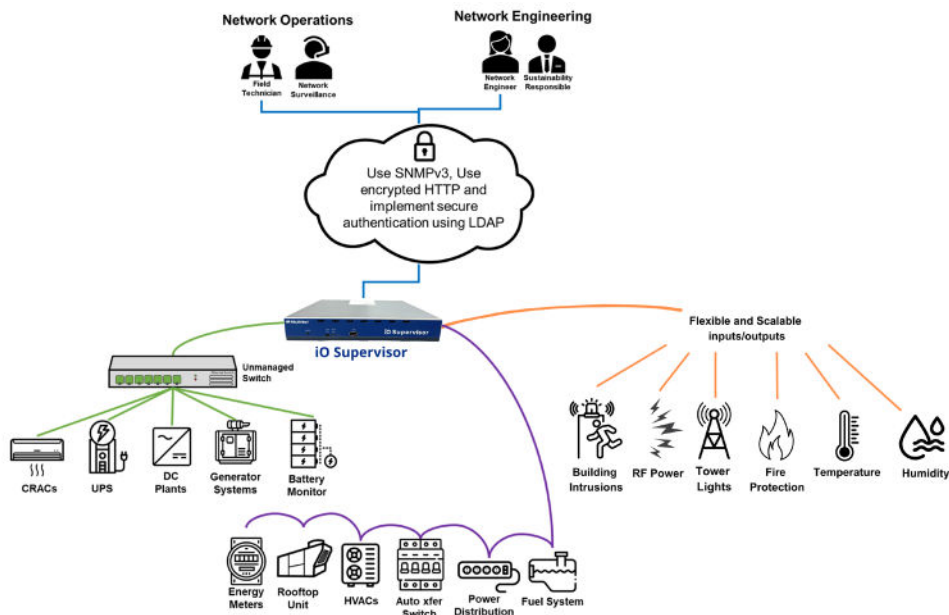
IMPROVED SYSTEM INTEGRATION

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	1.6 GHz Quad-Core
Memory	2 GB DDR4
Disk	16 GB (Expendable to 32 GB)

CERTIFICATIONS

Safety	TBD
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?

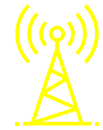
The **iO Supervisor** offers unmatched versatility, combining the diverse functionalities of the **Fusion** and the **iO Gateway**. Whether you need advanced system integration or secure network access, the **iO Supervisor** has you covered.

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.

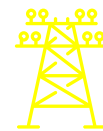
From site monitoring to environmental control, the **iO Supervisor** provides comprehensive tools to keep your systems running smoothly. Gain real-time insights and take proactive measures to maintain optimal performance.

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.

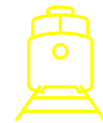
KEY MARKETS SECTORS



TELECOMMUNICATIONS



POWER UTILITIES



RAILWAYS



CATV/BROADBAND

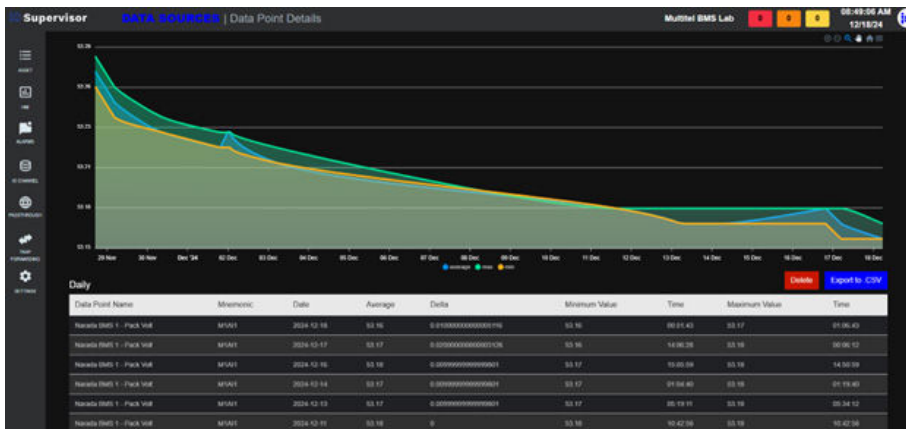


ENERGY

Data source dashboard

Icon	ID	Description	Value	Unit	Alert Type	Last Update
●	MF141	Narada BMS 1 - Pack Volt	33.16	V	+	08:52:25 AM 12/18/24
●	MF142	Narada BMS 1 - Current	0.0	A	+	08:52:25 AM 12/18/24
●	MF143	Narada BMS 1 - Remain Capacity	102.5	Ah	+	08:52:25 AM 12/18/24
●	MF144	Narada BMS 1 - Average Cell T	23.0	C	+	08:52:25 AM 12/18/24
●	MF145	Narada BMS 1 - Env T	24.0	C	+	08:52:25 AM 12/18/24
●	MF146	Narada BMS 1 - Warning Flag	0		+	08:52:25 AM 12/18/24
●	MF147	Narada BMS 1 - Protection Flag	0		+	08:52:25 AM 12/18/24
●	MF148	Narada BMS 1 - FaultStatus	7168		+	08:52:25 AM 12/18/24
●	MF149	Narada BMS 1 - SOC	100.0	%	+	08:52:25 AM 12/18/24
●	MF150	Narada BMS 1 - Circulate number	1		+	08:52:25 AM 12/18/24

Data Point Trending & Statistics



HMI Views

Supervisor | HMI | Multitel BMS Lab | 08:45:03 AM 12/18/24

Item	Value 1	Value 2	Value 3
Pack Volt	33.16 V	33.16 V	
Current	0.0 A	0.0 A	
Remain Capacity	102.5 Ah	102.5 Ah	
Average Cell T	23.0 C	24.0 C	
Env T	24.0 C	24.0 C	
Warning Flag	0	0	
Protection Flag	0	0	
FaultStatus	7168	7168	
SOC	100.0 %	100.0 %	
Circulate Number	1		
Cell Volt	16	16	
Cell Voltage 1	3.32 V	3.35 V	
Cell Voltage 2	3.32 V	3.35 V	
Cell Voltage 3	3.32 V	3.35 V	
Cell Voltage 4	3.32 V	3.35 V	
Cell Voltage 5	3.32 V	3.35 V	
Cell Voltage 6	3.32 V	3.35 V	
Cell Voltage 7	3.32 V	3.35 V	
Cell Voltage 8	3.32 V	3.35 V	
Cell Voltage 9	3.32 V	3.35 V	
Cell Voltage 10	3.32 V	3.35 V	
Cell Voltage 11	3.32 V	3.35 V	
Cell Voltage 12	3.32 V	3.35 V	
Cell Voltage 13	3.32 V	3.35 V	
Cell Voltage 14	3.32 V	3.35 V	
Cell Voltage 15	3.32 V	3.35 V	
Temperature	4	4	
Temp Cell 1	23.0 C	24.0 C	
Temp Cell 2	23.0 C	24.0 C	
Temp Cell 3	23.0 C	24.0 C	
Temp Cell 4	23.0 C	24.0 C	
Cell Of Alarm	Off	Off	
Env Of Alarm	Off	Off	
Cell Of Alarm	Off	Off	
Env Of Alarm	Off	Off	
Cell Of Alarm	Off	Off	
Env Of Alarm	Off	Off	
Cell Of Alarm	Off	Off	
Env Of Alarm	Off	Off	

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

Contact us today:
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