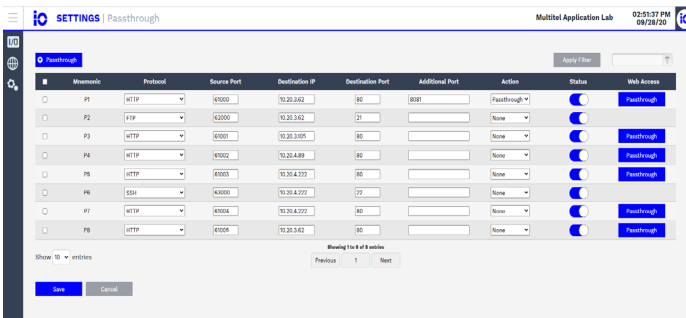


iO | GATEWAY

Multitel is committed to offering you solutions that are always more efficient and adapted to your needs. We are pleased to announce the new version 1.3 of iO Gateway.

PASSTHROUGH



iO Gateway passthrough feature has been completely redesigned to a complete IP-based communication solution to solve the lack of visibility and direct access to remote devices. Using this new passthrough feature allows the user to directly communicate with devices on a local network. Remote console commands and file transfer can be sent to those local devices. iO Gateway new passthrough feature supports the following protocols: HTTP/HTTPS, Telnet, SSH, SCP, FTP/SFTP.

PROTOCOLS

iO Gateway v1.3 goals are to improve communication with smart and serial-based devices, enhance visibility throughout the network and provide an efficient tool to manage your site. Streamlining data by using secured protocols will solve concerns about unsecured data.

iO Gateway v1.3 is a more efficient and secured tool thanks to the following improvements:

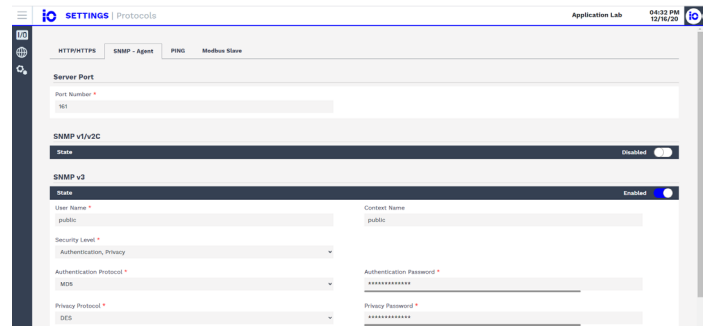
SNMP Agent v3

- The SNMP Agent v3 protocol is now supported. The user can configure the Agent with or without Authentication and Encryption.

Modbus RTU – Master

- iO Gateway can now monitor equipment support Modbus RTU protocol using one of its two RS-485 ports.

COMMUNICATION



BINARY STATUS

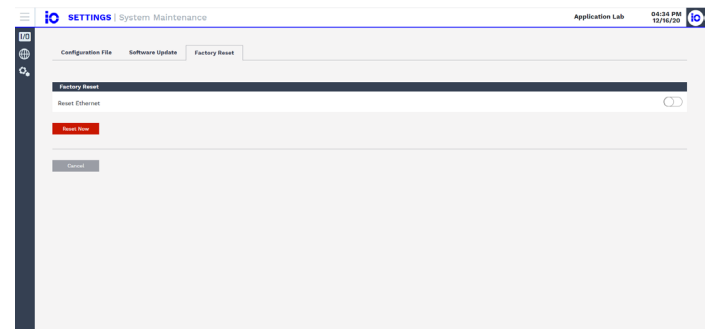
The screenshot shows the 'DATA SOURCES | Dashboard' interface. It features a table with columns for Status, ID, Data Point Description, Protocol, Slave ID, IP Address, Value, Binary Status, Passthrough, and Actions. The table is grouped by equipment terminals. Terminal 1 (Modbus TCP/IP) includes data points for System Voltage (520 V), AC Input Voltage (230 V), and Total Load Current (101.4). Terminal 2 (Modbus RTU) includes System Voltage (520 V), AC Input Voltage (230.8 V), and Total Load Current (101.4). Terminal 3 (Modbus TCP/IP) includes System Voltage (520 V) and Total Load Current (101.4). A 'Showing 1 to 1 of 3 equipments' indicator is visible at the bottom of the table.

Status	ID	Data Point Description	Protocol	Slave ID	IP Address	Value	Binary Status	Passthrough	Actions
On	[Terminal 1] : DC Plant - Alpha - Cordex CSC HP	Modbus TCP/IP	2	10.20.4.89	520 V	On	Off	On	Off
On	M502	System Voltage			520 V				
On	M502	AC Input Voltage			230 V				
On	M503	Total Load Current			101.4				
On	[Terminal 2] : DC Plant - Alpha - Cordex CSC HP	Modbus RTU	80		520 V	On	Off	On	Off
On	M501	System Voltage			520 V				
On	M502	AC Input Voltage			230.8 V				
On	M503	Total Load Current			101.4				
On	[Terminal 3] : DC Plant - Alpha - Cordex CSC HP	Modbus TCP/IP	31	10.20.4.177	520 V	On	Off	On	Off
On	M501	System Voltage			520 V				
On	M502	AC Input Voltage			230.8 V				
On	M503	Total Load Current			101.4				

iO Gateway can now monitor binary status of equipment using either SNMP or Modbus.

FACTORY RESET

A factory reset has been added to erase all data and configuration of your device. Factory reset can be used to reset the device to its original state. Factory reset can also be done remotely using the save ethernet configuration option.



INTERFACE IMPROVEMENTS

The screenshot shows the 'DATA SOURCES | Dashboard' interface, similar to the first screenshot but with additional equipment. It features a table with columns for Status, ID, Data Point Description, Protocol, Slave ID, IP Address, Value, Binary Status, Passthrough, and Actions. The table is grouped by equipment terminals. Terminal 1 (SNMP) includes data points for System Voltage (520 V), AC Input Voltage (230 V), and Total Load Current (101.4). Terminal 2 (Modbus RTU) includes System Voltage (520 V), AC Input Voltage (230.8 V), and Total Load Current (101.4). Terminal 3 (Modbus TCP/IP) includes System Voltage (520 V) and Total Load Current (101.4). Terminal 4 (Modbus TCP/IP) includes System Voltage (520 V) and Total Load Current (101.4). A 'Showing 1 to 1 of 4 equipments' indicator is visible at the bottom of the table.

Status	ID	Data Point Description	Protocol	Slave ID	IP Address	Value	Binary Status	Passthrough	Actions
On	[Terminal 1] : DC Plant - Alpha - Cordex CSC HP	SNMP	10.20.3.63		520 V	On	Off	On	Off
On	[Terminal 2] : DC Plant - Alpha - Cordex CSC HP	Modbus TCP/IP	2	10.20.4.89	520 V	On	Off	On	Off
On	M502	System Voltage			520 V				
On	M502	AC Input Voltage			230 V				
On	M503	Total Load Current			101.4				
On	[Terminal 3] : DC Plant - Alpha - Cordex CSC HP	Modbus RTU	80		520 V	On	Off	On	Off
On	M501	System Voltage			520 V				
On	M502	AC Input Voltage			230.8 V				
On	M503	Total Load Current			101.4				
On	[Terminal 4] : DC Plant - Alpha - Cordex CSC HP	Modbus TCP/IP	31	10.20.4.177	520 V	On	Off	On	Off
On	M501	System Voltage			520 V				
On	M502	AC Input Voltage			230.8 V				
On	M503	Total Load Current			101.4				

In order to improve the user experience of the iO Gateway interfaces navigation and page consultation have been enhanced.

UPGRADE REQUIREMENTS

The new firmware upgrade doesn't require local manual manipulation. The new version has to be uploaded via the web interface of the device.

Executing the upgrade will require to reboot the device. The current configuration will be saved however, it is good practice to backup/download the configuration file before performing the upgrade.

AVAILABILITY

The new feature of the iO Gateway version 1.3 is available as of December 18th, 2020.

If you have any questions regarding this product change notice or how it can benefit your operations, please contact your Multitel sales representative.

REQUEST FOR UPGRADE

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