UWP 3.0

Universal web platform



Description

UWP 3.0 is a monitoring gateway and controller that allows the monitoring and controlling of installations where Energy Efficiency Management and Building Automation functions are needed.

The system monitors and controls connected devices via its local bus management functions; it includes a web server with a powerful and intuitive user interface to display customised dashboards and interact with local devices and remote systems; the UWP 3.0 embedded automation server allows data to be exchanged locally or remotely via standard Internet protocols.

UWP 3.0 can manage the complete lighting control system based on DALI actuators and it can operate as a BACnet/IP gateway.



Benefits

• **Flexibility**. UWP 3.0 is the core of a powerful system which includes a complete range of meters, sensors and actuators

• Integration. UWP 3.0 includes all the necessary software tools to set up and operate the required solution. No subscriptions or additional services are required

• Interoperability. By leveraging its automation-server functions, it is easy to exchange data with other systems via FTP, SFTP, FTPS, SMTP, Rest-API, MQTT, Modbus and BACnet

• **Scalability**. It is easy to scale up the system, by leveraging its comprehensive set of monitoring, controlling and communication functions

• Fast installation and set up. Each function can be programmed with ease by means of the free configuration tool

• **Reliability**. The system is secure against cyber-attacks and computer viruses. It is the ideal Edge unit for providing local control and data redundancy to distributed applications

• **High storage capability**. Thanks to its 4GB of Storage memory, UWP 3.0 can store complex configurations and log history and events

• **Microsoft Azure Certified**: UWP 3.0 is pre-tested and certified to work with Azure IoT.

• **Powered by AWS**. UWP 3.0 is compatible with Amazon AWS IoT.

• Awareness. By means of scheduled reports and email/SMS alerts, users are constantly advised about installation status

• Compact Size. All of the above is available in a 2 DIN module

• **Powered by MAIA Cloud**: secure and reliable system for remotely managing, setting and operating UWP 3.0 units Worldwide.

• **IoT Security Rating**: Security Capabilities Verified by UL to Level SILVER for UWP 3.0 SE (Security Enhancement).



Applications

UWP 3.0 is suitable for applications in Building Automation, Energy Efficiency Performance Management and all their combinations are suitable application for UWP 3.0. Its comprehensive set of functions, small dimensions and reliability are the key factors for depending on UWP 3.0 as the local monitoring/controlling unit in a wider distributed scenario.

Main functions

 Acting as a gateway for sharing data and receiving remote commands via BACnet, Modbus TCP/IP and Rest-API

- · Monitoring energy control systems so as to check energy efficiency status and improvements.
- Recording, displaying and transmitting information (events and history)
- · Defining logical functions, reacting to abnormal conditions and control actuators
- · Setting up and operating Building Automation functions
- · Setting up and operating Lighting Control functions and DALI

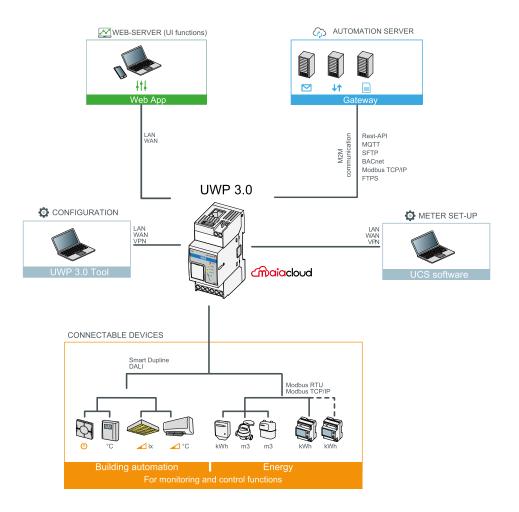
Main features

• Up to 5000 managed signals (including variables, I/Os) shared among Energy Management and Building Automation applications.

- Up to 128 Modbus devices connected to RS485 ports (64 devices each port).
- Up to 5 users concurrently connected to the Web-App.
- Up to 5 concurrent M2M connections (API connections, BACnet clients, Modbus masters).
- Up to 150 different products from the Carlo Gavazzi range can be connected to UWP 3.0
- BTL certified (max 500 BACnet points for used BACnet objects).

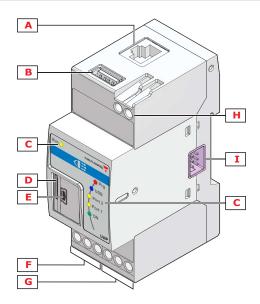


Architecture





Structure



| Area | Description |
|------|--------------------------|
| Α | Ethernet port |
| В | USB port (Host function) |

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| Area | Description | | | |
|------|--|--|--|--|
| | Indication LEDs: | | | |
| | Green (ON): | | | |
| | ON - Power ON | | | |
| | OFF - Power OFF | | | |
| | Yellow (BUS): | | | |
| | ON - Communication ON on the HS-bus | | | |
| | OFF - No communication is present on the HS-bus | | | |
| | Flashing - Communication error on the HS-bus | | | |
| | Yellow (Port 1): | | | |
| | OFF - Communication disabled | | | |
| | Flashing 200 ms ON, 600 ms OFF - No communications on RS485 COM1 | | | |
| С | Flashing 200 ms ON, 200 ms OFF - Communications OK | | | |
| | Yellow (Port 2): | | | |
| | OFF - Communication disabled | | | |
| | Flashing 200 ms ON, 600 ms OFF - No communications on RS485 COM2 | | | |
| | Flashing 200 ms ON, 200 ms OFF - Communications OK | | | |
| | Blue (USB): | | | |
| | ON - USB device is present | | | |
| | OFF - No USB device is present | | | |
| | Red (Prg): | | | |
| | ON - No configuration is present | | | |
| | OFF - Configuration present in the UWP | | | |
| | Flashing - UWP is connected to the UWP 3.0 Tool | | | |
| D | Micro SD memory card slot | | | |
| Е | Mini-USB port (Device function) | | | |
| F | RS485 COM1 port terminals | | | |
| G | RS485 COM2 port terminals | | | |
| Н | Power supply connection block | | | |
| I | Local bus ports (left side and right side) | | | |

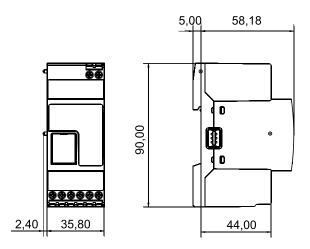


Features



General

| Material | Noryl, self-extinguishing V-0 (UL94) | |
|--|---|--|
| Dimensions | 2-DIN module | |
| Weight | 150 g | |
| Protection degree Front: IP40; Screw terminals: IP20 | | |
| Dielectric strength 4000 V AC RMS for 1 minute | | |
| Rejection (CMRR) | >65 dB, from 45 to 65 Hz | |
| Terminals | 8 terminals, screw-type; Section: 1.5 mm ² maximum; Torque: from 0.4 to 0.8 Nm | |





Environmental

| Operating temperature | -20° to +50 °C (-4 ° to 122 °F) |
|---------------------------|-----------------------------------|
| Storage temperature | -30° to +70 °C (-22 ° to +158 °F) |
| Humidity (non-condensing) | 20 to 90% RH |

Power Supply

| Power Supply | 15-28 V DC |
|--------------|---|
| Consumption | ≤5W |
| Battery | 1 Metal-ion non-replaceable battery; 0.04 g |

Note: The device contains metal-ion batteries. For the sending, you must comply with the relevant packaging and labelling regulation.

Inputs/outputs insulation

| Type of input/output | DC power supply | RS485 COM1 | RS485 COM2 | Ethernet | USB port "H" | USB port "D" | SH2UMMF124 and SH2DSP24 |
|----------------------|-----------------------|---------------|---------------|----------|--------------------|--------------------|----------------------------|
| DC power supply | - | 2 kV | 2 kV | 0.5 kV | 0 kV | 0 kV | 0 kV |
| RS485 COM1 | 2 kV | - | 0.5 kV | 2 kV | 2 kV | 2 kV | 2 kV |
| RS485 COM2 | 2 kV | 0.5 kV | - | 2 kV | 2 kV | 2 kV | 2 kV |
| Ethernet | 0.5 kV | 2 kV | 2 kV | - | 0.5 kV | 0.5 kV | 0.5 kV |
| USB port "H" | 0 kV | 2 kV | 2 kV | 0.5 kV | - | 0 kV | 0 kV |
| USB port "D" | 0 kV | 2 kV | 2 kV | 0.5 kV | 0 kV | - | 0 kV |
| SH2DSP24 | 0 kV | 2 kV | 2 kV | 0.5 kV | 0 kV | 0 kV | - |

• 0 kV: inputs / outputs are not insulated.

• 2 kVrms: EN61010-1, IEC60664-1 - over-voltage category III, pollution degree 2, double insulation on systems with max. 300 Vrms to ground.

• 0.5 kVrms: the insulation is functional type Mounting.

Compatibility and conformity

| | Electromagnetic compatibility (EMC) - immunity: EN61000-6-2 |
|------------|--|
| Standards | Electromagnetic compatibility (EMC) - emissions: EN61000-6-3 |
| | Safety: EN60950 |
| | EMC 2014/30/EU |
| Directives | LVD 2014/35/EU |
| | RoHS 2011/65/EU |



UWP 3.0

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Ports



| Standard | ISO9847 | | |
|---|--|--|--|
| LAN configuration | Static or DHCP | | |
| LAN Configuration | IP Address; Net Mask; Default Gateway, DNS (primary, secondary) | | |
| ProtocolsHTTP, HTTPS, FTP, FTPS, SFTP, Modbus TCP/IP, DP (Data I SMTP, NTP, Azure IoT Hub, Modbus Gateway TCP/RTU, BAC | | | |
| | WEB server: Port: 443 (by default); 5 connections | | |
| Client connections | Tool: 1 connection | | |
| | Modbus TCP/IP: 5 connections | | |
| Connection type | RJ45 connector (10 Base-T, 100 Base-TX); maximum distance: 100 m | | |



| Number of ports | 2 | | |
|--|--|--|--|
| Function | COM1: Master or slave (gateway function) | | |
| runction | COM2: Master | | |
| Number of claves | COM1: up to 64 | | |
| Number of slaves | COM2: up to 64 | | |
| Connections 2-wire. Max. distance 600 m | | | |
| Protocol | Modbus RTU | | |
| Data format Selectable: 1 start bit, 7/8 data bit, no/odd/even/ parity, 1/2 stop l | | | |
| Baud rate | Selectable: from 110 to 256000 bits/s | | |
| Driver input capability | 1/8 unit load | | |
| Driver input capability | Up to 256 nodes on a network | | |

USB

| Туре | Hi-speed 2.0 Type-A | |
|---------------------|------------------------------|--|
| Mode | Host | |
| Communication speed | 60 MB/s | |
| Function | Backup for disaster recovery | |

| Cumperted devices | USB mass storage: direct connection to UWP 3.0 |
|--|--|
| Supported devices | USB modem/router: via additional module SH2DSP24 |
| Supported File System | ext4 |
| Note Disabled automatically when SH2DSP24 is connected | |

Mini-USB

| Туре | Hi-speed 2.0 mini-B | | | | | | | |
|----------|--|--|--|--|--|--|--|--|
| Mode | Device | | | | | | | |
| Speed | 60 MB/s | | | | | | | |
| Function | RNDIS (Virtual Ethernet) | | | | | | | |
| Function | Network Access via IP: 192.168.254.254 | | | | | | | |

Micro SD slot

| Туре | Industrial (from -25 to +85 °C / -13 to + 185 °F) | | | | | | | |
|-----------------------|---|--|--|--|--|--|--|--|
| Conocity | SD and SDHC | | | | | | | |
| Capacity | Up to 32 GB | | | | | | | |
| Function | Backup for disaster recovery | | | | | | | |
| Supported File System | ext4 | | | | | | | |



| Bus type | RS485 high speed bus | | | | | | |
|------------------|--|--|--|--|--|--|--|
| Function | Connection to master channel generator modules (SH2MCG24, SH2WBU230x and SH2DUG24) | | | | | | |
| Number of slaves | Maximum 7 | | | | | | |
| | By local bus on the right hand side | | | | | | |
| Connection | Note: All the SH2MCG24, SH2WBU230x, SH2DUG24 and SBP2MCG324 modules have to be connected on the right hand side of the SH2WEB24. | | | | | | |
| Termination | Always required on the last module | | | | | | |
| Max distance | 600 m | | | | | | |

TCP/IP ports

Inbound communication

| Port number | Description | Purpose | | | | | | |
|-------------|-------------|--|--|--|--|--|--|--|
| 80 | HTTP | Access to the internal web-server, API functions | | | | | | |
| 443 | HTTPS | Access to the internal web-server, API functions | | | | | | |
| 52325 | SSH | Remote service (reserved to support personnel) | | | | | | |
| 10000 | UWP 3.0 | Configuration and maintenance (UWP 3.0 Tool) | | | | | | |
| 10002 | UWP 3.0 | Configuration and maintenance (UWP 3.0 Tool) | | | | | | |
| 52326 | UWP 3.0 | Firmware and configuration update (UWP 3.0 Tool) | | | | | | |

Outbound communication

| Port number | Description | Purpose | | | | | | | |
|-------------|-------------|------------------------------|--|--|--|--|--|--|--|
| 53 | DNS | Domain name resolution | | | | | | | |
| 123 | NTP | Network time services access | | | | | | | |
| 21 | FTP | Data upload to FTP server | | | | | | | |
| 25 | SMTP | Email message dispatching | | | | | | | |
| 80 | HTTP | DP (data push communication) | | | | | | | |

UCS bridge

| Mode | Port | Description |
|----------|------|---|
| Secure | 443 | For the HTTPS connection for bridge opening. |
| Insecure | 503 | Through any TCP Modbus client. |
| | | Note: this port is the default one. Users can change it from the Web-App relevant page. |

Modbus TCP/IP

| Function | TCP/IP port | Purpose |
|--------------------------|-----------------------|--|
| Modbus TCP/IP Slave | 502 (select- able) | Modbus TCP data communication |
| Modbus bridge TCP/RTU | ` | Bridge function for accessing (read and write) RTU meter con- nected to the UWP RTU ports |

MAIA Cloud ports

| Inbound communication (Through the tunnel) | | | | | | | | | | |
|--|-------------|--|--|--|--|--|--|--|--|--|
| Port number | Description | Purpose | | | | | | | | |
| 80 | HTTP | Access to the internal web-server, API functions | | | | | | | | |
| 443 | HTTPS | Access to the internal web-server, API functions | | | | | | | | |
| 52325 | SSH | SSH Remote service (reserved to support personnel) | | | | | | | | |
| 10000 | UWP 3.0 | Configuration and maintenance (UWP 3.0 Tool) | | | | | | | | |
| 10002 | UWP 3.0 | Configuration and maintenance (UWP 3.0 Tool) | | | | | | | | |
| 52326 | UWP 3.0 | Firmware and configuration update (UWP 3.0 Tool) | | | | | | | | |

Outbound communication (Through the tunnel)

| Port number | Description | Purpose |
|-------------|-------------|------------------------------|
| 53 | DNS | Domain name resolution |
| 123 | NTP | Network time services access |
| 21 | FTP | Data upload to FTP server |
| 25 | SMTP | Email message dispatching |
| 80 | HTTP | DP (data push communication) |

For tunnelling

| Access | Ports | | | | | |
|-------------------------|----------------------|--|--|--|--|--|
| MAIA Cloud Web | 443/tcp and 1194/udp | | | | | |
| MAIA Cloud App software | 443/tcp and 1194/udp | | | | | |

Note: through the tunnelling service, all the above-mentioned ports are supported.

Data management

| Multi-BUS com- | INPUT from: Modbus RTU, Modbus TCP/IP, Dupline | | | | | | | |
|-------------------|---|--|--|--|--|--|--|--|
| munication | OUTPUT to: Modbus RTU, Modbus TCP/IP, BACnet, Dupline, DALI | | | | | | | |
| Embedded Database | Embedded database for storing system configuration, variables, events | | | | | | | |
| | Flexible data model based on signals definition and functions creation | | | | | | | |
| Automation server | Automation server for exchanging data with other systems via: FTP, SFTP, FTPS, Rest-API, SMTP, MQTT | | | | | | | |

*Note: Data stored on the internal UWP 3.0 database (including logged data points, events and configuration parameters) are preserved in the case of system shut-down. UWP 3.0 storage memory size is 4.0 GB (including all the logged data points, events and configuration parameters).

Software and interfaces

MAIA Cloud

Remote access is the key to minimize the Total Cost Of Ownership of an UWP 3.0 powered installation; by leveraging the networking capabilities of MAIA Cloud, it is possible to take control of remote installations without leaving your office.



Benefits

• Reduced costs. Thanks to the VPN safe remote access, users do not need to travel and consequently waste money and time to solve their customers' issues.

- Easy automatic remote networking
- · Hassle free regardless of destination and IP address.

Main functions

• Authentication: MAIA Cloud users can remotely access their UWP 3.0 fleets and manage them if needed.

• Security. Remote connections to MAIA Cloud and to the remote UWP 3.0 Edge units thanks to encrypted tunnelling.

• Hassle-free. Thanks to the MAIA Cloud tunnelling functions, you do not need to worry about IP address changes and firewalls. You could always access your device, according to your security policies.

• Remote set-up and operation. Thanks to MAIA Cloud, it is possible now to remotely:

Set-up of any Modbus/RTU CG Meter (via UCS)

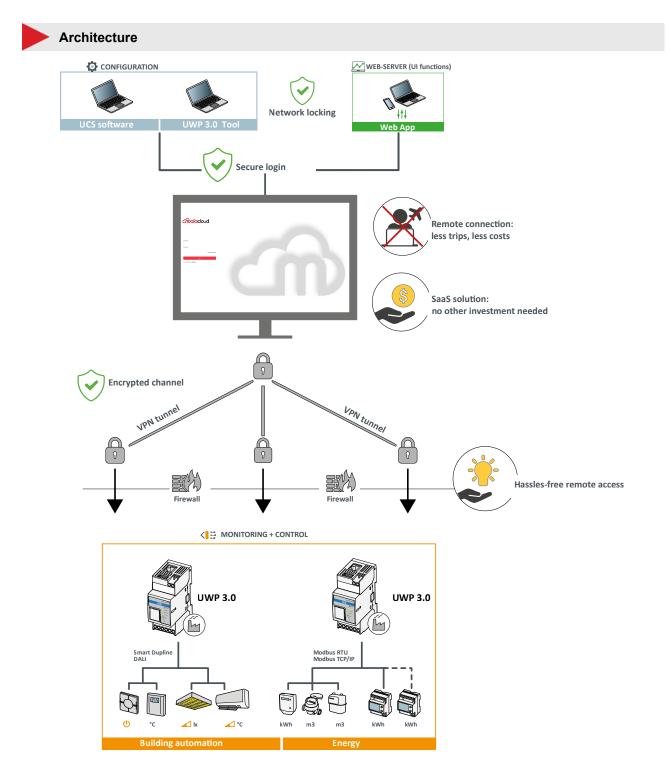
Set-up of any Modbus/TCP CG meter (via UCS)

Set-up of any Smart Dupline item (via UWP 3.0 Tool)

Establishment of a VPN connection to your PC

Surfing on the UWP 3.0 web-interface.







UWP 3.0 Tool

UWP 3.0 Tool is the UWP 3.0 configuration software. It allows the user to:

- · carry out the system commissioning
- · define the automation and control logics
- · set the measuring instruments and sensors monitoring.

| | <u></u> | | | | | | | | | | | | | | | | | |
|----------|----------------------------|---------------------|---------------|--------------|------------|-----------------|--------------|------------|-----|------------|----------|-------|--------|-------|-----------------|-----------|-----------|--|
| | File Views Rep | orts Add | Program setup | o Modbus | Database | Help | | | | | | | | | | | | R R 🛛 |
| | (†) (f) | | | | 7 1 | 4 13 | 123 | 0 | 9 | 1 | SMS | email | | Ρ. | | | | |
| Bus | Module Locatio | n Light & scenario* | | Temperature | Alarm Cale | endar Sequence | Dimmer | Timers 6 | | Simulated | | Email | Car | Car | | | | |
| Master | | | control. | | | | Function | | | nabilation | setup | | neaung | park. | | | | |
| Location | | | | | | | | | | | | | | | | ¥ X | Functions | a x |
| | | | | | | | | | | | | | | | Location filter | | | Filter options 📀 |
| 1 1 | Root | | | | | | | | | | | | | | | ļ | 1 | (Fx) Office 1a - Smart light Office 1a |
| | Dilding | | | | | | | | | | | | | | | | o 💡 | (Fx) Office 1b - Smart light |
| | Parkin | | | | | | | | | | | | | | | 0 | | (Fx) Office 3a - Smart light Office 3a |
| | o 📝 🔽 o | fice 1a | | | | | | | | | | | | | | | o 💡 | (Fx) Office 3b - Smart light Office 3b |
| | o 🚰 🖸 🛛 | fice 1b | | | | | | | | | | | | | | | o 🚺 | (Fx) Office 1a - Smart light |
| | 🛛 🗹 📕 Gr 🛢 🗹 🛃 First fl | | abinet | | | | | | | | | | | | | • | o [] | (Fx) Ground floor - Zone temperature Ground floor |
| Modules | | oor | | | | | | | | | | | | | | # × | • | (Fx) Ground floor - Heating temperatu Office 1a |
| a | | | | | | | | | | | | | | | | options 👻 | o 🖡 | (Fx) Office 1b - Heating temperature s |
| | Part number | Subnet | Na | me | _ | _ | | SIN | | Location | _ | _ | _ | _ | F | Find | | Office 1b |
| | SB2DALIT8230 | Net 1 | DAI | Ll master | | | | 120.067.0 | 032 | Ground f | loor cal | oinet | | | | * | • | (Fx) Office 3a - Heating temperature s Office 3a |
| • | SHSQP360L | Net 1 | PIR | sensor right | | | | 120.032. | 111 | Office 1a | | | | | | | • | (Fx) Office 3b - Heating temperature s Office 3b |
| | SHSQP360L | Net 1 | PIR | sensor right | | | | 120.134. | 121 | Office 1b | | | | | | n | | |
| | R5485COM1MAS | COM 1 | RS4 | 485 | | | | | | Ground | floor ca | binet | | | | 1 | | |
| - | EM243P | COM 1 | EM | 24 energy me | ter | | | | | Ground f | loor cal | pinet | | | | T | | |
| Module | Modules Signals Logs | | | | | | | | | | | | | | | | | |
| Sx2 | WEB24 IP: 10.1.5.15 | Dis | connect 📃 | 0 🗒 | 3 | Controller time | e: 11:32 17/ | 04/2018 .: | | | | | | | | P | | Configuration: 1 |

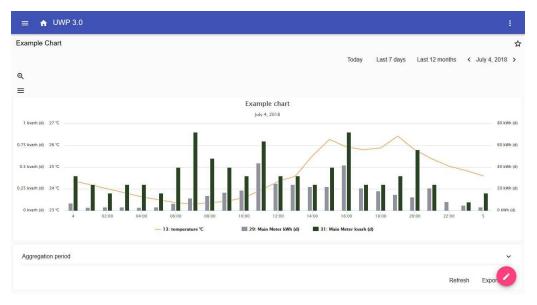
Main functions

- Configure interfaces and communication protocols
- · Execute the Dupline modules automatic scan for fast commissioning
- · Configure and manage the connected modules
- Define the control and automation functions
- · Generate a driver to monitor third party Modbus devices
- · Set the data and events collection and storage from Carlo Gavazzi or third party instruments
- Develop Modbus drivers for UWP 3.0 with both reading and writing functions for any Modbus device
- Save a configuration offline for backup or any subsequent use
- · Disaster recovery via scheduled or on-demand triggers

UWP 3.0 Web App

The UWP 3.0 Web App is the UWP 3.0 Web Interface, accessible through Web browsers from mobile or desktop devices. Through widgets contained in predefined and customised dashboards, it allows the user to:

- · view and export collected data
- control the automation functions
- define specific settings (User Interface and Server Automation).



Main functions

- · View collected data as real time values or charts
- · Generate data and events reports
- Manage and adjust the functions parameters (e.g. modify temperature set points)
- Send commands (e.g. switching on/off or select scenarios)
- Configure Data Push Services to FTP/SFTP/FTPS servers or Em2-Server (Carlo Gavazzi)
- Configure MQTT link to IoT Hubs (Amazon AWS and Microsoft Azure)
- · Learn the main tasks by using the embedded tutorial

Cybersecurity

Introduction

Cybersecurity is the practice of protecting systems, networks, and programs from digital attacks. These cyberattacks are usually aimed at:

- accessing, changing, or destroying sensitive information;
- · extorting money from users;
- interrupting normal business processes.

Implementing effective cybersecurity measures is particularly challenging today because there are more devices than people, and attackers are becoming more innovative.

For UWP 3.0 SE (Security Enhanced), the security capabilities have been verified by UL to Level SILVER.

The SILVER rating certifies the enhanced security capabilities of UWP 3.0 SE regarding:

- Access Control
- Industry Privacy Best Practices
- Product Security Maintenance.





• Disaster recovery. UWP 3.0 includes a solid disaster recovery system for saving and restore both configuration and history data on USB stick, SD card, SFTP server.

• Easy upgrade function. UWP 3.0 Tool and web app notify users about the availability of a new software and firmware version; the whole upgrade process is managed by the UWP 3.0 Tool.

• UWP secure bridge function. It permits you to establish a secure connection through LAN or Internet network between the UCS software and Carlo Gavazzi Modbus meters connected to UWP 3.0 via RS485 or LAN network. This way, you can perform the following tasks remotely:

- configure a wired device via UCS without disconnecting UWP 3.0;

- check the proper functioning of the devices, the real time measures, the status of alarms and the inputs/outputs

- modify or correct the configuration parameters, in case of measures anomalies or of project structure changes.

• Secure access: thanks to MAIA Cloud, you can access a UWP 3.0 system through a secure VPN (virtual private network).

• Minimalist approach: UWP 3.0 has been designed to include only the necessary sub-systems into a highly optimized linux core, so to avoid unnecessary risks due to attacks to unmonitored services.

For further information, refer to the following guideline: "Security in energy monitoring and building automation applications based on the UWP 3.0 ecosystem".

Connection diagrams

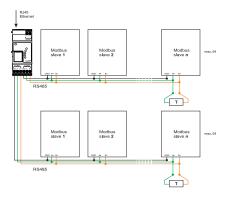


Fig. 1 Modbus RTU connection. COM 1 master, COM 2 master

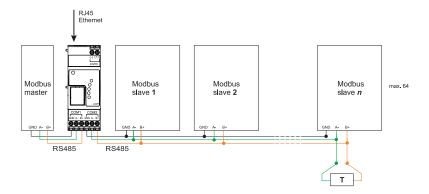


Fig. 2 Modbus RTU connection. COM 1 slave, COM 2 master

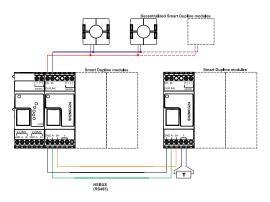


Fig. 3 Example of Smart Dupline modules connection using master channel generators



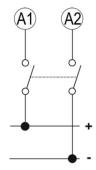


Fig. 4 Power Supply

References

Compatible devices

| Device | Instruction manual |
|----------------------|--|
| UWP-MODEM-KIT-4G-E01 | www.gavazziautomation.com/UWP-Modem-Kit-4G-E01.pdf |
| UWP-MODEM-KIT-4G-E02 | www.gavazziautomation.com/UWP-Modem-Kit-4G-E02.pdf |

Further information

| Document | Where to find it | |
|--|--|--|
| UWP 3.0 Tool user manual | www.gavazziautomation.com/UWP3.0_Tool_ENG.pdf | |
| UWP 3.0 Web App user manual | www.gavazziautomation.com/UWP3.0_WebApp_ ENG.pdf | |
| MAIA Cloud system user manual | www.gavazziautomation.com/MAIA_Cloud_EIM.pdf | |
| Hardware manual | www.productselection.net/MANUALS/UK/uwp3.0_sys- tem.pdf | |
| Wireless manual | www.productselection.net/MANUALS/UK/uwp3.0_wire- less.pdf | |
| How to set up a a Microsoft-Azure IoT- based system | www.gavazziautomation.com/HowToMicrosoftAzure_ UWP3.pdf | |
| UWP 3.0 how to order | www.productselection.net/DOCUMENT/UK/UWP3_how_ to_order.pdf | |
| UWP 3.0 Cybersecurity guideline | www.gavazziautomation.com/CybersecurityGuideline.pdf | |
| UWP 3.0 quick connection guide | www.gavazziautomation.com/Quick_guide_connection_ ENG.pdf | |



MAIA Cloud licences

| Information | Description | Document |
|--------------------|----------------------------------|------------------------|
| UWP-LICENCE-M01B | MAIA PLUS LICENCE-12 MONTHS VPN | MAIA Licence A4 pdf |
| UWP-LICENCE-M02A | MAIA STANDARD LICENCE-2 DEVICES | Licence Code EIM pdf |
| UWP-LICENCE-M02B | MAIA PLUS LICENCE-24 MONTHS VPN | |
| UWP-LICENCE-M04B | MAIA PLUS LICENCE-48 MONTHS VPN | |
| UWP-LICENCE-M05B | MAIA PLUS LICENCE-60 MONTHS VPN | |
| UWP-LICENCE-M10A | MAIA STANDARD LICENCE-10 DEVICES | |
| UWP-LICENCE-M25B | MAIA PLUS LICENCE-300 MONTHS VPN | |
| UWP-LICENCE-M50A | MAIA STANDARD LICENCE-50 DEVICES | |
| UWP-ACTIVATION-KEY | MAIA ACTIVATION LICENCE | MAIA Activation A4 pdf |
| | | Activation Key EIM pdf |

How to order

| Component code | Description |
|----------------|---|
| UWP30RSEXXX | Monitoring gateway and controller |
| UWP30RSEXXXSE | Monitoring gateway and controller security enhanced |



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