

Security and Event Management Platform



HyperPower Server - CMHPAVSW

Based on client/server architectures, comprising hardware and software subsystems in which digitalized alarms and operator commands are transmitted over an IP network and/or RS485 serial lines, HyperPower is a highly scalable system, without almost topological limitations, that can be adapted to diverse operating scenarios (perimeter security management, total security management, building management system etc.). HyperPower is able to integrate, concentrate and manage not only SICURIT but even any contact-closure auxiliary security device through RS485 or Ethernet I/O modules.

HyperPower provide operators with a comprehensive, user-friendly and free design graphic unit interface (GUI) which ensure that the system is customized perfectly for any organization needs.





Key Features	
Intuitive Icon Based GUI	
Customizable Event process	
Real Time Diagnostic (IP Native only)	
Scalable Windows® based TCP/IP architecture	
Flexible communication infrastructure through RS485 and IP based modules	

In Numbers	
Digital Input	: 3072
Output	: 1024
Client Users	: 1000
Groups	: 32
Maps	: 100
Transactions	: 1000
Peripherals	: 256

Hardware Options	
8IN/8OUT/RS485	(CMH088)
4IN/4OUT/LAN/2XRS485	(CMH9000S)
8OUT/RS485	(CMH8OUT)
Touch Screen Terminal	
RS485/LAN	(CMHTA600)

PC Minimum Requirements	
ATOM microprocessor 1.6 GHz • 1 GB RAM • 2 USB ports (1 for Dongle and 1 for USB/RS485) • 200MB free HD space	

Additional Items	
	Configuration dongle (CMHCONF)
	USB/RS485 Converter (CMHCONV485)

Additional	
Client Software	(CMHCRHP)
Web Server License	(CMHWEB)
License IP Native PIDS	(CMHPDRIMT)
License CMH9000 series	(CMHPDRIP)
License Serial modules	(CMHPDRSER)

Current Integration Available	
Milestone	
Lensec	
Geutebrueck	
Winguard	
MODBUS TCP	
Free SDK documents available	

Module 8IN/8OUT/RS485 – CMH088

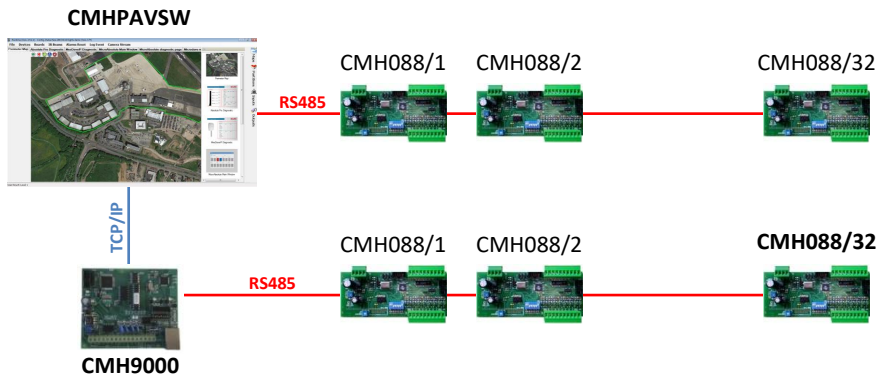
CMH088 can be directly connected to HyperPower-Server (through CMHCONV485) or via CMH9000S and CMH9000DAVE and provides eight (8) Digital INPUT and eight (8) O.C. outputs. CMH088 communicates via two-wire, shielded, twisted pair, RS485 and a maximum of 32 modules can be connected on the same serial line.



Technical Features

Input : 8 (Double Balanced)
 Output : 7 O.C. + 1 Relay
 RS485 port : 1x Opto-isolated
 Micro-Processor : 8MHz
 Power : 12VDC

32 modules can be connected on the same serial line (256IN/256OUT)

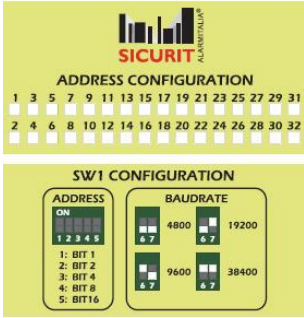
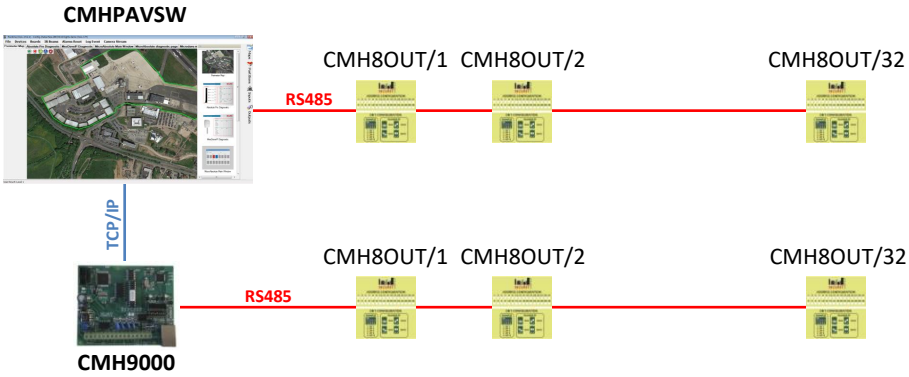


Can be used to connect

- SICRUFLEX
- WALLGUARD
- IMX series
- BSBED series
- BSTD series
- INFRATRONIC
- any contact-closure security device

Module 8OUT/RS485 – CMH8OUT

CMH088 can be directly connected to HyperPower-Server (through **CMHCONV485**) or via **CMH9000S** and **CMH9000DAVE** and provides eight (8) O.C. programmable Outputs. **CMH8OUT** communicates via two-wire, shielded, twisted pair, RS485 and a maximum of 32 modules (256 O.C. outputs) can be connected on the same serial line.

 <p>The image shows the configuration interface for the CMH8OUT module. It includes a 'SICURIT ALARM PANEL' logo, an 'ADDRESS CONFIGURATION' table with 32 slots (1-32) arranged in two rows, and a 'SW1 CONFIGURATION' section with 'ADDRESS' and 'BAUDRATE' settings. The address settings are 1: BIT 1, 2: BIT 2, 3: BIT 4, 4: BIT 8, 5: BIT 16. The baudrate settings are 4800 and 19200 for the first two columns, and 9600 and 38400 for the last two columns.</p>	<p>Technical Features</p> <p>Output : 8 O.C. (programmable) RS485 port : 1x Opto-isolated Micro-Processor : 8MHz Power : 12VDC</p> <p>Single or multiple events (alarms) can be associated to each O.C. depending on site/project requirement and a maximum of 1024 outputs can be provided from each HyperPower-Server and a maximum of 256 outputs from each CMH9000 interface</p>
 <p>The diagram illustrates the connection between a CMH9000 module and CMH8OUT modules. On the left, a CMH9000 module is connected to a CMH9000 software interface (CMH9000S) via TCP/IP. The software interface is connected to a network of CMH8OUT modules (CMH8OUT/1, CMH8OUT/2, and CMH8OUT/32) via RS485. The RS485 connection is shown as a red line connecting the CMH9000 module to the first CMH8OUT/1 module, which then connects to the other modules in the chain.</p>	<p>Mainly used for third party hardware Alarm integration such as into:</p> <ul style="list-style-type: none"> VMS SMS PSIM Conventional Control Panels Remote PTZ cameras

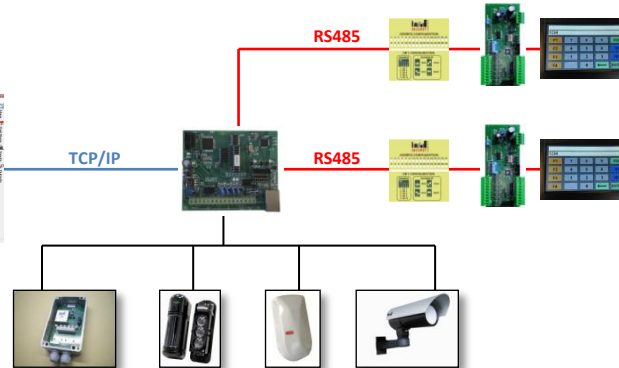
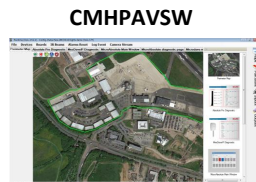
Module 4IN/4OUT/LAN/2xRS485 – CMH9000S

CMH9000S is a LAN network interface mainly used for centralizing contact-closure auxiliary security devices through LAN/WAN using standard TCP/IP protocol. It is also equipped with 2x RS485 ports used for connecting I/O modules (CMH088) and/or O.C. Output modules (CMH8OUT)



Technical Features

Input:	: 4 (Double Balanced)
Output	: 4 (O.C.)
RS485 port	: 1x Opto-Isolated
	: 1x Standard
LAN port	: 10/100 Base T port
Micro-Processor	: 24MHz
Power	: 12VDC



4IN can be used to connect

SICRUFLEX
WALLGUARD
IMX series
BSBED series
INFRATRONIC
any contact-closure security device

2x RS485 are used to connect

CMH088 and/or CMH8OUT
CMHTA600

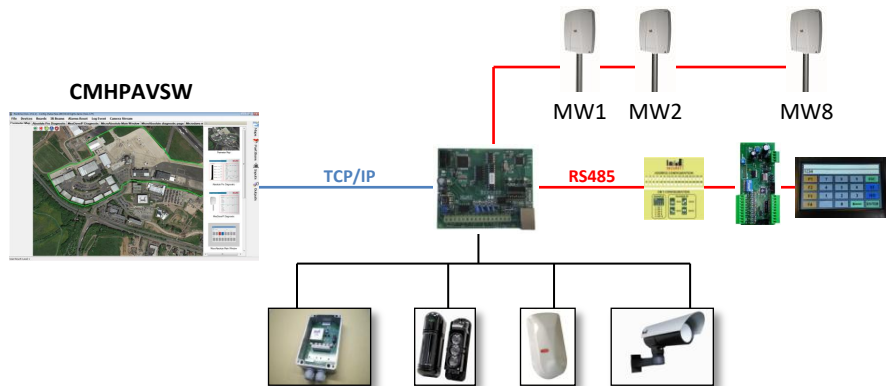
Module 4IN/4OUT/LAN/2xRS485 – CMH9000DAVE

CMH9000DAVE is a LAN network interface mainly used for centralizing SICURIT Digital Microwave Barriers DAVE through LAN/WAN using standard TCP/IP protocol. Is configured by means of a built in Web Browser and includes a remote configuration and diagnostic software for DAVE digital Microwave barriers.



Technical Features

Input:	: 4 (Double Balanced)
Output	: 4 (O.C.)
RS485 port	: 1x Opto-Isolated
	: 1x Standard
LAN port	: 10/100 Base T port
Micro-Processor	: 24MHz
Power	: 12VDC



4IN can be used to connect

SICRUFLEX
WALLGUARD
IMX series
BSBED series
INFRATRONIC
any contact-closure security device

2x RS485 are used to connect

Digital microwave barriers DAVE (8 Set)
CMH088 and/or CMH8OUT

Additional Peripheral – CMHTA600

Touch Screen Terminal with remote HyperPower-Server functionalities . CMHTA600 allows to perform procedures and transactions pre-configured in HyperPower-Server.



Technical Features

RS485 port : 1x Opto-Isolated
LAN port : 10/100 Base T port
Display : 4,3"
Power : 12VDC



TCP/IP



RS485



Can be used for

Access Control
Arming/Disarming zones
Events Silencing

HYPERPOWER SERVER



RS485



CMH088



CMH8OUT



CMHTA600



SICURFLEX WALLGUARD

4DIN



CMH9000S

RS485



CMH9000DAVE

RS485



DAVE (MW)

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