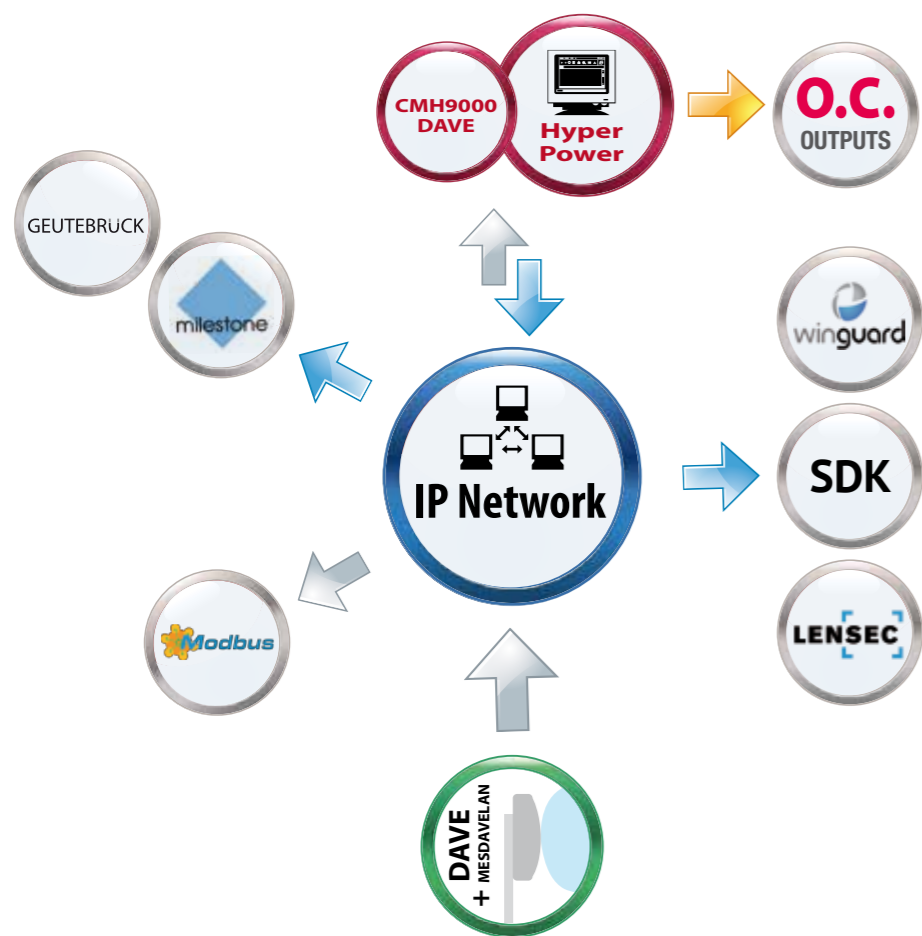


MESDAVELAN - RS485/IP Converter

MESDAVELAN is used for centralizing Sicurit Digital Microwave Barriers DAVE through LAN/WAN using standard TCP/IP multicast protocol. Data are received into CMH9000DAVE Network interface (which can be used for remote DAVE Microwaves parameters setting and diagnostic) and transmitted into HyperPower alarm monitoring and management platform.



HyperPower

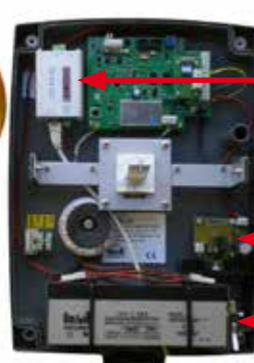
HyperPower "Lite" is a Windows® based alarm monitoring and management platform that provides to security operators a clear tool for properly manage the data coming from SICURIT perimeter protection systems and any third party integrated devices.

The basis of the functioning of the devices lies in the recognition of some event, by way of various types of sensors and buttons. When an event is detected, this information is passed through interactive icons on to the HyperPower "Lite" server, which will carry out a pre-configured action. This action can involve the internal resources of the software, such as the sending of e-mail or SMS messages, devices interconnected to the security net (like positioning movable cameras to a determined point) or even I / O modules for triggering a siren or any associated action.



MESDAVELAN TECHNICAL FEATURES

Communication Ports	1x 10/100 Ethernet Port + 1x RS485 Port
Overvoltage Protection	30A
Operating Temperatures	from -40°C up to +70°C
Mounting	Pre-assembled and connected in DAVE-RS housing and DIN mounting (for CMH9000DAVE)



MESDAVELAN

MESDAVEALI

BACK-UP BATTERY
(optional)



DIGITAL MICROWAVE BARRIER



OUTDOOR RANGES UP TO 200 METERS

Description

SICURIT Digital Microwave intrusion link DAVE represents a further technological step forward in outdoor perimeter protections. It has been designed for quick and easy installation and it is suitable for any kind of applications that require high security standards.

A microprocessor and advanced Digital Signal Processing (DSP) algorithm strongly increase detection accuracy and enables to distinguish real intrusions from environmental agents with more precision compare to previous analogue microwaves.

Furthermore an integrated RS485 interface allows remote alarm communications and remote system configuration and diagnostic.



Operation

Intrusion detection, using a modulated amplitude sensitive system, takes place within the invisible pattern of microwave energy existing between transmitter and receiver. An opportune signal amplitude variation analysis at the receiver is directly related to the object's size, speed and density and allows the sensor to discriminate between objects.

Four (+ four) selectable frequency channels allow multiple DAVE units to operate in proximity without interferences, including stacking microwave applications.

Made of high impact polycarbonate, DAVE housing has been developed for lodging power supply, battery and optional IP module (refer to MESDAVELAN).

Part and Description	
MESDAVE200RS	DAVE Tx+Rx pair with range up to 200m
MESDAVE120RS	DAVE Tx+Rx pair with range up to 120m
MESDAVE050RS	DAVE Tx+Rx pair with range up to 50m
MESDAVELAN	RS485/IP multicast communication converter
MESDAVE07	Set of poles (Ø 48mm.) with basements
MESDAVE06	Wall mounting bracket (20/40cm length)
MESDAVEALI	Built-in power supply 230VAC / 12VDC - 500mA
MESDAVESOFT	Local configuration and diagnostic software (RS232)

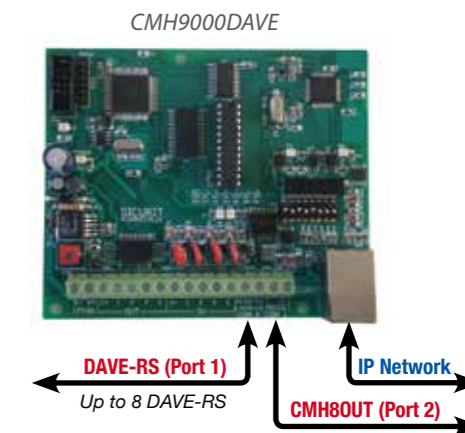
Product Codes ▶	MESDAVE200RS	MESDAVE120RS	MESDAVE050RS
Range	200 mt	120 mt	50 mt
Frequency	X-band conforms to CE and USA standards (9.461GHz / 9.9GHz / 10.525GHz / 10.587GHz)		
System Interfaces	RS485 TCP/IP via built-in MESDAVELAN Dry Contact Outputs (RX: 1 Form C Relay + 1 N.C. 24h Tamper + 1 O.C. Fault) (TX: 1 N.C. 24h Tamper + 1 O.C. Fault)		
Frequency Channels	4 (+4)		
Operating Voltage	12,5VDC +/- 10% (Built-in Power-supply available – Ref. MESDAVEALI)		
Lobe Diameter	W: 1-6 mt ; H: 2 mt (with MESDAVE07)		
Housing	IP65		
Maximum Consumption	90mA (TX + RX)		
Operating Temperature	-25°C to +65°C		
Dimensions	28 x 39 x 14 cm (W x H x D)		
Mounting	Pole (Ref. MESDAVE07) / wall bracket (Ref. MESDAVE06)		
Construction	Polycarbonate		
Vertical Alignment	± 18°		
Horizontal Alignment	360°		

CMH9000DAVE - Remote Interface Board

Thanks to CMH9000DAVE interface, DAVE microwave barriers can optionally communicate alarm, status and configuration information to and from a central data collection point over an RS485 network with remote parameters setting and diagnostic over IP.

CMH9000DAVE collects up to 8 DAVE microwave pair of barriers and send alarm and status information over IP into SICURIT HYPERPOWER alarm monitoring and management platform or any third-party SMS or PSIM.

An additional RS485 port has been developed in order to integrate through O.C. modules alarm and status information of the connected microwave barriers up to 1Km into any third-party system where high level software integration is not required. 4IN/4OUT are available for auxiliary relay contact devices.



GEUTEBRÜCK ready

Being one of main Geutebrück® commercial partners, CMH9000DAVE interface has been implemented with GETAS protocols allowing an easy and intuitive integration with Geutebrück® central CCTV management Software GeViSoft.

GEUTEBRÜCK

CMH8OUT - 8 programmable O.C. module

CMH9000DAVE is equipped with a dedicated RS485 port to remote through programmable O.C. modules several information about the status of the system for different purposes, such as hardware integration of alarm information (e.g. presetting dome cameras, activating DVR recorders, etc.) and system diagnostic. Each CMH9000DAVE can support up to 30 CMH8OUT allowing the integration of up to 240 O.C. output, locally or up to 1Km distance.

Part and Description	
CMH9000DAVE	RS485 remote interface board (remote configuration and diagnostic software included)
CMH8OUT	8 programmable O.C. output module
MESDAVELAN	RS485/IP multicast communication converter



MICRODAVE Remote parameters setting and diagnostic SW



CMH9000DAVE interface board configurator

CMH9000DAVE TECHNICAL FEATURES	
Board Configuration	Through Web Browser
Remote System Configuration	YES
MICROPROCESSOR	24 MHz
INTERFACES	1xLAN 10/100 Base T (communication to HyperPower / Geutebrueck® / Open to third party integration) 1xRS485 Optoisolated (used to connect up to 8 DAVE microwave barriers) 1xRS485 (used for connecting CMH8OUT output modules)
Additional Input	4 Double Balanced (available only over HyperPower)
Additional Output	4 Programmable O.C.
Power Supply	11-15VDC
Working Temperature	From -25°C to +75°C / 10-90% humidity
Board Dimensions	120 x 105mm