



INTERCOMMUNICATION OVER

PRESENTATION

Products references : 500.8000

Latest product in the IP intercom XELLIP range, this new Full IP audio video reception monitor has been specially designed to meet the requirements of small and medium tertiary buildings, offices, etc.

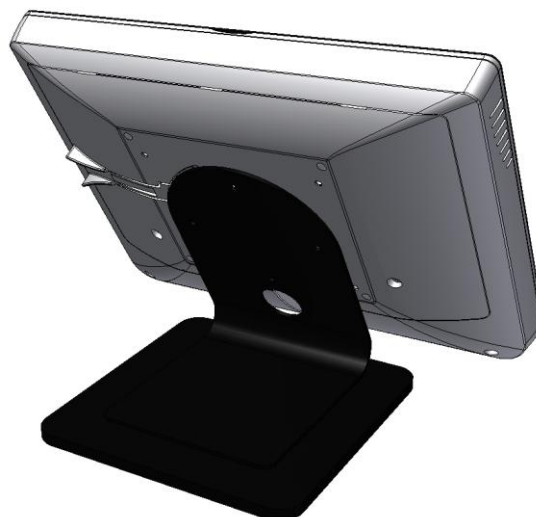
Native SIP, XE MONITOR includes the following features:

- Set-up of Audio / Video over IP communication
- Manages two input « all or nothing »
- Manages two open collector outputs
- Manages a 7" TFT touch screen
- Register on SIP Server (up to three servers)
- Compliant with the French law about "disabled accessibility": in the absence of accesses direct vision by personnel, intercom devices allow to view the visitor
- Manages the profiles according to the time
- Manages its advanced automation interfaces (logical relations and schedules)
- Perform auto tests automatically or on demand
- Update by TFTP (*Trivial File Transfer Protocol*)
- Integrate SNMP protocol (*Simple Network Management Protocol*)
- POE (*Power Over Ethernet*)
- It can be configured, monitored and operated from any browser with its embedded web server

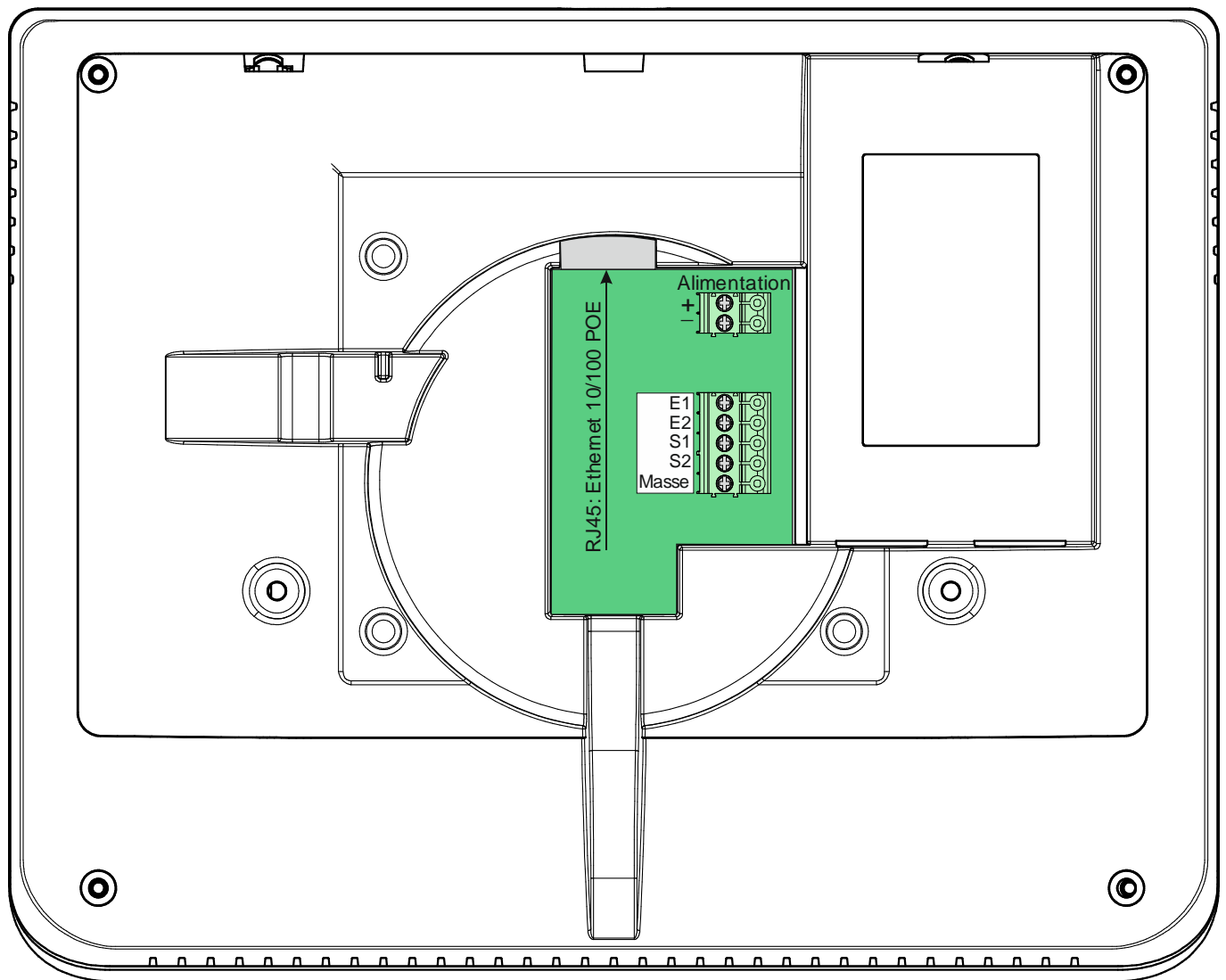


OPTION

Desk Support réf : 540.8000



CONNECTION



Connecting the power supply

A 17-48Vdc power supply is required.

Note: The station can be powered by the POE network

Connecting the IP network

The connection is made by Ethernet 10/100 Mbits RJ45.

Connecting inputs E1 & E2

Two input TOR allows the connection of a dry contact (do not apply power) to be activated, the input must be pulled to ground.



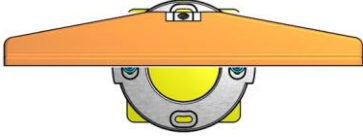






Connecting open collector outputs S1 & S2

Two open collector outputs allow controlling led or buzzer
When switch the output goes to 0V.

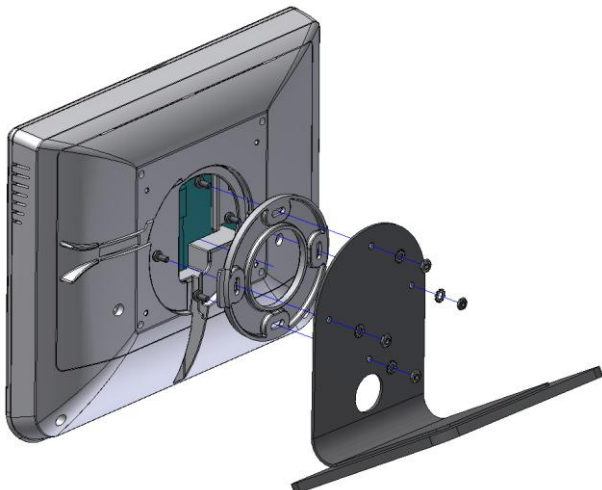
INSTALLATION

Wall installation:

Installation height from the finished floor: 1,23m between trait finite level and floor.

<p>1 - Attach the mounting box as shown in the picture below</p>	<p>2 - Screw the base to the mounting box</p>	<p>3 - Make it level</p>
		
<p>4 - Remove the cover</p>	<p>5 - Connect the RJ45 cable</p>	<p>6 - Tilt the monitor and snap with the notches on the base</p>
		
<p>7 - Rotate to the left to hear the closing clip</p>	<p>8 - The monitor is installed</p>	<p>9 - To remove the monitor, insert a flat screwdriver to reverse rotation</p>
		

Desk support installation:



USE


IP address of the station

Each station must have its own IP address on the network. This address will be given by the network server (DHCP addressing) or manually configured. This addressing can be configured from a computer via the web server station.

Please note that the station is delivered by default with a DHCP address. If no DHCP server is present, then the station will take a fixed IP address of domain IP4All: 169.254.xx.xx. The IP address of station will be found by the application CastellIPSearch or using CASTELServer. When the IP address can't be found, press the "reset" button when the station is running to set it to 192.168.49.251.

Access to the web server of the station

To connect to the web server of the station, you have to use a web browser as Firefox, Chrome or Internet Explorer. Open your web browser from any computer on the network and enter: https://IP_ADDRESS_STATION. You will be directly connected by your station web page. You will just have to insert your login (by default: admin) and your password (by default: admin) for the access of the web server functions.



The screenshot shows the XELLIP web interface with the following sections:

- Configuration:** A central area displaying a station's graphical interface on a monitor. Below it, the 'Station versions' section lists:

Kind of station:	XE Monitor
Software version:	3.0.0 (20131206_14h00)
Hardware version:	13008
- Station informations:**

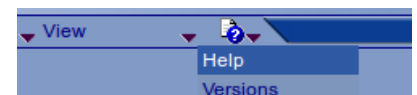
Name of the station	MONITOR.XELLIP
Ethernet	
IP address:	192.168.49.152
MAC address:	00:26:DE:13:0B:7A
SIP configuration	
Connection mode:	Standalone
Extension number:	1
Registration state for the SIP server:	Unregistered
- Station status:**

Global state:	Normal
User connected:	No user logged
Current profile:	Profil 1
Supervisor connection:	Disconnected
Media states	
Communication state:	Idle
Nb incoming calls:	0
Nb outgoing calls:	0
Nb waiting calls:	0
Video monitor:	Inactive
Local interfaces	
Input [Entrée 1(Poste XE Monitor)]:	Inactive
Output [Sortie 1(Poste XE Monitor)]:	Off
Display:	Normal
Keyboard:	Normal

Web server provides information on the station and how to configure it.

To have all the functions, go on to display/full display.

Online help is accessible from any menu gives information on the various functions of the web server.



FUNCTIONS

The monitor was designed to communicate, via IP network, with other stations in the range of intercom IP (XELLIP, CAIP...), with a softphone, a SIP phone, or any other devices compatible with the SIP standard.

General functions of the master station

- Configure a network connection
- Configure a SIP account
- Set the date and time manually or via a NTP server
- Manage audio and video communication
 - ↳ Set a priority level on the station
 - ↳ Set a time-out call and communication
 - ↳ Automatic answer with and without delay
 - ↳ Activate the privacy mode on the automatic answer
- Manage the display screen to personalize the home message or the delay for the screen saver...
- Manage the keyboard to set the delay before to lock...

Audio interface functions

- Set the loud-speaker and microphone volume
- Set the type of communication (full duplex / half duplex)
- Set the level of ambient noise reduction
- Configure the RTP port number
- Validate/Cancel audio codec
- Set tones and ringtones
- Configure DTMF commands for example to control the local relay
- Configure the noise detection
- Switch to simplex using a DTMF command:
 - ↳ '*' switch to listen
 - ↳ '#' switch to speak
 - ↳ '0' go back to the normal mode

Video interface functions

- Configure the RTP port number
- Validate/Cancel video codec
- Configure the bandwidth

Function of the gate control button

The button is programmable and allows:

- Control the station relay in communication
- Send a DTMF code

Functions of inputs interfaces

- Configure the input of type STATE or COUNTER
- Configure the active state of the input (open or closed)
- Configure a timer for acknowledging a change in state (bounce-free function)
- Inhibit the input

Functions of open collector outputs interfaces

Open collector outputs interfaces are programmable, and can be used to:

- Configure the type of output: monostable, bistable or flashing
- Configure the type of contact: Normally Open / Normally Closed
- Control the On/Off output
- Control the Force Open / Closed output
- Configure time settings of the output

Functions of the logical input (or flags)

Logical input allows 2 kinds of functionality:

- Create a logic from which it will be possible to condition actions in relations
- Create a counter which will be updated as events and depending on the value of this counter start one or more actions if required.

Logical relations configuration

The web server is the start point to configure automatism also called relations.

There is two kinds of relations:

- Schedule: can start actions on identified time slots. There is 3 priority levels for a schedule relation (high, medium, small)

- Logical :
 - ↳ Logical condition: can start actions depending on the status. A logical relation can be integrated by some operator as AND, OR, NOT, XOR. In the same way, a logical relation can start several actions.
 - ↳ Numerical condition: can perform actions by comparing the value of a counter with various thresholds. It is also possible to add or subtract counter values and compare the results.

Configuration of the user of the web server (software users)

The web server allows granting, modifying or deleting privileges to users by specifying their login, password and operating language.

Configuration of the call users

The web server allows creating, importing or deleting user phone which is attributed a profile. Therefore a user can log into the station via a user name and password then activate his profile on the station.

Configuration of the profiles

It's possible to create modify or delete functional profile of the station. Each profile specify a priority of the station, a configuration of the buttons functions, a configuration of the directory (black list/white list) and security right of station. The station can operate with a single profile or various profiles according to time slots or according to a user log on the station.

Configuration of the phone book

It is possible to create, modify or delete entries in the phone book of the station.
It is possible to create entries for single calls or for multiple calls.

Administration management SNMP

The station includes an agent SNMP (Simple Network Management Protocol) to respond to SNMP requests and to send notifications (traps) to a SNMP manager.

From web pages, you can:

- ✓ Configure different community (read / write)
- ✓ Configure system data ("sysContact" and "sysLocation")
- ✓ Configure notifications (recipient, community ...)
- ✓ Download "MIB Castel"

It supports SNMPv1 and SNMPv2c versions.

Autotest functions

The station has several tests to validate its functioning:

- ✓ Autotest "Micro and speaker": to test the remote operation of speakers and microphone. From the page "Advanced Settings", it is possible to adjust levels of the test following the installation environment. This test can be triggered from the web server or an SNMP command. The test result is visible through the history of the web server and an SNMP notification.
- ✓ Autotest "keys": the detection of a blocked mechanical button (contact for over 20s) is indicated by an SNMP notification and an event is reported in the history of the web server.

Backup and restoration of the system parameter

It is possible to backup and restore the complete configuration of the station (configuration, profiles, logical relations, phone book...)

Update by TFTP

Updating software with TFTP can be very useful when several stations must be updated.

The station is looking forward a TFTP server which provides the available software release. If the station is concerned by this update, it downloads it and flashes it independently.

The updating software takes place most of the time when the software release on the server is newer than the one installed on the station.

It is possible to force an updating process to a specific release of the TFTP server.

The TFTP server can request the stations to reset the current configuration, so the data partition is cleared.

It is possible to configure the station to detect a new release when the station is starting or cyclically.

Backup on power failure

When a power failure occurs, the station must be able to backup the following:

- ✓ Counter values
- ✓ History
- ✓ Secured events (these events are defined in CASTELServer)
- ✓ The states of interfaces

Historic function

The historic allows to visualize the events occurred on the station. Informations displayed are the date and time, the events and a small description.

TECHNICAL SPECIFICATIONS

Compliance with European standards

- Security rules according to norm EN 60950
- CEM transmission according to norm EN 55022 class B
- CEM immunity according to norm EN 55024

Mechanical properties

- Protection IP40 degree according to EN 60529
- ABS case with wall suspension
- Case dimensions: H 170mm x L 210mm x Ep. 36 mm
- Weight : 655g
- Painted steel base (optional)
- Dimensions with base: H 195mm x L 210mm x P 170mm.
- Total weight: 1030g

General electrical properties

- Storage temperature: -20° / +70°C.
- Operating temperature: 0 à +50°C.
- Power supply: 24VDC (17Vdc à 48Vdc).
- Consumption: 24Vdc/250mA

Button

- Speed acquisition: 10Hz (100ms)

Input

- 2 protected and filtered TOR input
- Speed acquisition: 5Hz (200ms)

Output

- Two open collector outputs
- 350mA maximum

Display screen

- TFT colour touch screen 7"

Audio Codec

- G711 Ulaw/Alaw
- GSM
- G722

Video Codec

- Video format CIF/QCIF
- H263
- H263-1998
- H264
- VP8
- MP4V

DTMF

- RFC-2833
- SIP INFO

Ethernet network 10/100 Mbit

- IP static or DHCP
- POE class 0, conforms with IEEE 802.3af standard
- SNMP V1 & V2c

Other

- Induction loop for hard of hearing people



Environmental protection:

Dispose of this product in compliance with environmental preservation regulations.