



# Ares 12

Industrial measuring and monitoring for 14 sensors, communication over GSM and back-up power



















Ares 12 is an **industrial unit** for remote monitoring and alarming **over GSM** for locations without LAN access. Includes battery backup. Connect **up to 14 external sensors** and **2 dry contact detectors**.

Use the SensDesk portal to configure the Ares, send alarms or display graphs.

Ares monitors the readings of connected sensors. When a value reaches the alarm threshold, the device **sends an e-mail** or a **text message (SMS)**, or **dials** specified numbers.

Ares products are ready for **remote mass deployment** using FOTA (Firmware Over The Air).

Connect up to 14 sensors or a relay output extender unit over the 1-Wire/1Wire UNI bus (RJ11) and up to 2 dry contact inputs for external detectors.

Data can be sent in **e-mail** attachments or downloaded **via USB**. Display the data using the SensDesk portal, its iOS or Android mobile version, or third-party apps (Nagios etc.).

The device can be configured remotely at the "AresConf" tab in the SensDesk portal. Remote firmware upload (FOTA) capability makes Ares devices ideal for large-scale deployments.

Alarms are notified by **calling** and **texting** up to 5 numbers, **e-mailing** up to 5 addresses, or via the **SensDesk** portal.

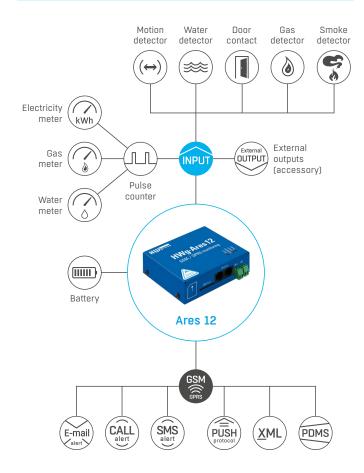
Ares 12 includes an internal battery that provides back-up power for up to 24 hours.

The "Tset" start set includes a temperature sensor with a cable that can be extended to up to 60 m.

Ares 12 can be mounted to a wall or a DIN rail.

### Typical application examples

- · GPRS monitoring of machines and their environment
- ATMs environment monitoring without tampering with the connection
- · Art exhibits and depositories
- Storages of food or materials
- · Cooling systems and coolers



#### Differences between Ares 12 vs. Ares 10

	Ares 12	Ares 10
1-Wire UNI sensors	14×	3×
External Relay Outputs compatible	~	×
Battery	~	×

GSM/GPRS	
Interface	Quad-Band 850/900/1800/1900 MHz, GPRS class 10/8 Compliant to GSM phase 2/2 +- Class 4 (2W @ 850/900 MHz) - Class 1 (1W @ 1800/1900 MHz)
Supported protocols	IP: TCP, UDP, HTTP, SNTP, SMTP, HWg-PUSH

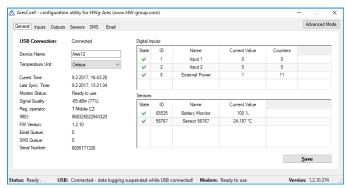
Sensors	
Туре	HWg original accessories: 1-Wire & 1-Wire UNI
Connector	RJ11 (1-Wire Bus)
Sensors	Up to 14 sensors
Sensor distance	Up to 60 m

Dry contact inputs	
Port	11, 12
Туре	Digital Input (supports NO/NC Dry contact)
Sensitivity	1 (On) = 0-500 $\Omega$ (Right pin on the terminal block can be connected to 12 V GND)
Max. distance	Up to 50 m

Power input	
Port	9-30 V DC
Туре	Main device power input (typically 500 mA)
Connector	Jack (barrel, inner 2,1mm outer 5,5mm) + Terminal Block

Physical parameters	
Temperature range	Operating: 5 to +50°C (+41 to +122°F) Storage: -25 to +85°C (-13 to +185°F)
Dimensions / Weight	76×93×28 mm/150g
EMC	FCC Part 15, Class B, CE - EN 55022, EN 55024, EN 61000

# **Configuration interface**



## Versions and related products



Ares 12 plain 14× 1-Wire UNI, 2× DI, device with battery only



Ares 12 set
Bulk + temperature sensor, power
adapter, GSM antenna, USB cable
and CD with software



Ares 10 3× 1-Wire UNI, 2× DI



Expander 4xDI 1W-UNI Expands one 1-Wire UNI to four digital inputs



Converter 2xPt100 1W-UNI
Double converter for Pt-100 and
Pt-1000 probes

