

HWg-Ares 12/14

GSM/GPRS thermometer with Email and SMS alarms



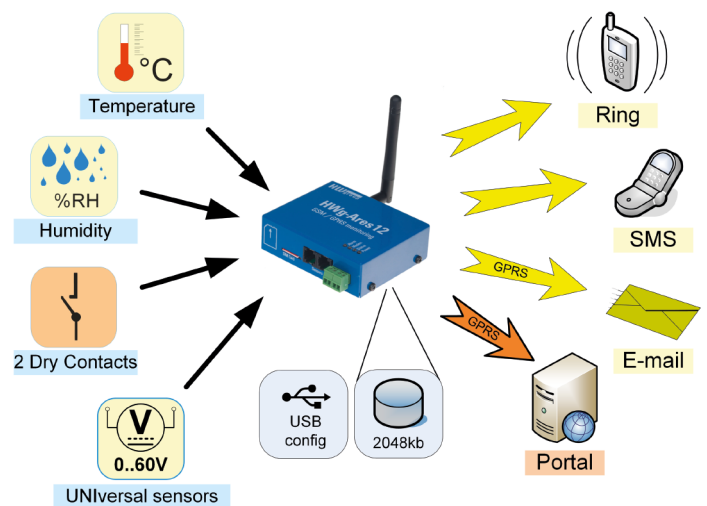
HWg-Ares 12/14 is a remote environment monitoring solution that can be installed in a few minutes. It only needs GSM signal coverage.

The device contains an internal back-up battery. If the external power fails, up to 5 recipients are alerted by e-mail or text message.

Sensor data can be read into HWg-PDMS (free software), connected with a Web portal or passed to a SCADA/NMS system.

The Ares platform is ready for remote installations with hundreds of units. At the same time, it is easy to start with just one HWg-Ares 12/14 and the supplied PDMS software.

HWg-Ares12/14 is a complete GSM monitoring system – from sensors to MS Excel data export. GPRS traffic is cost-optimized. HWg-Ares 12/14 uses open communication protocols for easy connection with software apps.



Applications

- Back-up power systems, generators: environment and status monitoring
- Automatic teller machines – environment monitoring without tampering with the ATM connection
- GPRS monitoring of server rooms without accessing the local LAN
- Technology along roads, highways or railroad tracks
- Water source monitoring, including technical equipment status
- Storage and transport monitoring for pharmaceuticals or food

- ✓ Temperature / Humidity
- ✓ Current 4-20mA
- ✓ Current 0-30A AC/DC
- ✓ Voltage 0-60V
- ✓ Light sensor
- ✓ Water flood
- ✓ 2x Dry contact input (door contact, flood, smoke detector...)

- ✓ Internal battery
- ✓ FOTA (Firmware Over The Air)
- ✓ Configuration over USB
- ✓ Transfer protocols optimized for reducing GPRS traffic costs
- ✓ Free HWg-PDMS software

Basic features

- HWg-Ares is a telemetry device suitable for integration with third-party central/portal solutions.
- With the HWg-PDMS software, HWg-Ares can offer an instantly usable data collection solution. Data outputs include logs+MS Excel analysis or a XML database.
- Data collection over GSM using HWg-Ares can be combined with other HWg IP sensors (Poseidon, Damocles, HWg-STE, HWg-PWR, and more).
- Digital inputs enable monitoring of any device with a relay output.
- HWg-Ares supports the same 1-Wire and 1-Wire UNI sensors as the Poseidon family.
- SMS notification of up to 5 recipients is advantageous for simple applications. Text messages can be customized with macros.
- Sensor or device status can be requested by texting or calling the device.
- Configuration software needs no installation. The Windows app appears on a "Mass Storage" drive after connecting HWg-Ares to an USB port.
- The internal battery enables alerting to failed/restored power supply. Suitable for monitoring UPS and back-up generators.
- Roaming functions reduce data costs outside of the home GSM network. Suitable for automotive or marine applications.
- Data can also be e-mailed to HWg-PDMS using GPRS. This works in all GSM networks, including roaming partners.

HWg-Ares 12/14

Power supply	9-30 VDC / 0.5 A
Internal battery	Li-Ion (3-8 hours*)
Digital inputs (dry contact)	2
1-Wire UNI sensors	3/14
GSM	Quad-Band 850/900 / 1800/1900 MHz
Flash log	2 Mb / 170,000 records (e.g. 3 sensors @ 5 mins = 200 days)
Alarms	Email, SMS, HWg-Push
Protocols	SMTP, NTP, HWg Push (http)
Authentication	STARTTLS (Google SMTP)
Configuration	USB, Mass Storage app
FW upgrade	USB / FOTA
SMS control	FW upgrade, status management
Roaming support	GPRS active in home network only

*) Time on battery depends on the number and types of sensors. Some sensors consume more power.

Dimensions	76 x 93 x 28 mm
Antenna	External, SMA connector
Mounting	Wall mount / DIN rail
Operating conditions	5-50°C / 20-80% RH
Certifications	CE, FCC

Ordering



HWg-Ares 12 plain



Expander 4xDI 1W-UNI



HWg paper box Ares



Door Contact



HTemp-1Wire Outdoor 3m

HWg-Ares 12 Tset	HWg-Ares12 unit, 3m temperature sensor, external 3m Quadband antenna, power adapter, CD, quick start guide.
HWg-Ares 12 plain	Humidity probe with 1m / 3m / 10m cable
HWg-Ares 14 plain	Temperature sensor, 1U device to a RACK, daisy-chainable, 3m cable
DIN Rail box set	Temperature & Humidity outdoor sensor (-30 to +85°C, 0 to 100% RH). 3 m cable.