

Connect to the Internet via cellular network



the internal modem is available for all securityProbe and sensorProbe+ platforms. Connect the device to the internet through GSM, GPRS, EDGE, 3G or 4G service.

This internal Cellular Data Modem is ideal for remote locations, where AKCP base units are deployed to monitor critical environmental factors. If no wired network connection is available, communications can be established through the cellular data network.

Internal modems can be installed to securityProbe and sensorProbe+ base units.

The Internal Modem provides global wireless access to the Internet and email on GSM / GPRS / EDGE / 3G / 4G capable networks. With this modem, your AKCP base unit can connect to the Internet using your local GSM, GPRS, EDGE, 3G or 4G service. The Internal Modem takes DC power directly from the base unit, so no charging device or external power adapter is required.

External Antenna

Boost signal strength to units installed in areas of weak signal by using a high-power external antenna.

Notification Wizards

Send Email, SMS & MMS messages using real-time sensor data. Attached recorded images to enhance alerts to personnel.

Remote Access & OpenVPN

Enable high-speed remote access to securityProbe units. A full featured OpenVPN client allows for connectivity to AKCP Pro Server or to other third party OpenVPN networks.

Benefits of the Internal 3G Modem

The Internal Cellular Data Modem is ideal for remote locations, where AKCP sensors are deployed to monitor and control critical environmental factors. The Internal Modem can be deployed with your preferred notification and alerting configurations as follows:

- Send SMS and Email alerts from the base units
- Use Text-to-speech notifications to call telephones with acknowledgement support
- Use the “Heartbeat” feature built into the base unit to distribute SMS, email and HTTP data to remote web servers via your GSM network at pre determined times
- Support for the AKCP Internal Modem Modem is already incorporated into the securityProbe web interface in a convenient drop down menu for quick and easy setup

Technical Specifications

Module Specifications

Power Supply: Power is supplied by the base unit.

Operation Temperature: -40°C to +85°C

Note : Two versions of the Internal Modem are available in EU and US frequency ranges. It is the responsibility of the customer to check and confirm the frequency required for their region.

Antenna Specifications

Mounting : Magnetic Mount

Connector Type : SMA Male

Cable : 3M

Color : Black

Operation Temperature: -40°C to +85°C

General Release Notes :

- The Internal Modem is compatible with all securityProbe and sensorProbe+ units but can not be retrofitted.
- A SIM Card is not provided.
- The Internal Modem is not available on the AKCP Door Control Unit.

3G Modem Specification

European Version: Dual-Band UMTS/HSPA+ 900/2100MHz

Quad-Band GSM/GPRS/EDGE 850/900/1800/1900MHz

US Version: Dual-Band UMTS/HSPA+ 850/1900MHz

Quad-Band GSM/GPRS/EDGE 850/900/1800/1900MHz

GPRS multi-slot class 12

EDGE multi-slot class 12

Output Power

UMTS 850/1900: 0.25W

UMTS 900/2100: 0.25W

Specifications for Data transfer

HSPA+

Max. 14.4 Mbps (DL), Max.5.76 Mbps (UL)

WCDMA

Max.384 Kbps (DL), Max.384 Kbps (UL)

EDGE Class

Max. 236.8 Kbps (DL),Max.118 Kbps (UL)

GPRS

Max. 85.6 Kbps (DL), Max.42.8 Kbps (UL)

4G Modem Specification

European Version: WCDMA+ Bands 850/2100MHz
LTE Bands: B1, B3, B5, B7, B8, B28

US Version: WCDMA+ Bands 850/1000MHz
LTE bands: B2, B4, B12

Specifications for Data transfer

WCDMA

Max 384 Kbps (DL). Max 384 Kbps (UL)

HSPA+

Max 5.76 Mbps (UL). Max 42 Mbps(DL)

LTE Category 1

Max 5 Mbps (UL). Max 10 Mbps (DL)

About AKCP

AKCP established in the USA in 1981, created the market for networked temperature, environmental and power monitoring solutions. Today with over 100 employees and 130,000 installations, AKCP is the world's oldest and largest manufacturer of SNMP enabled networked sensors for the data center.