

# AWS Connect

Communication and reliable data transfer is important requirement for the modern meteorological station. The AWS Connect is an advanced GSM modem with dual SIM capability - all in one box easy to integrate into the meteorological station with its DIN rain mounting bracket.



The primary modem can be a GPRS modem, a 3G modem and can be used with two SIM cards. The Dual SIM modem architecture provides exceptional reliability for areas with unstable signals.

## Configurations

- GPRS modem, dual SIM
- 3G modem, dual SIM
- 4G modem, dual SIM

## 3G modem

- Advanced E-GPRS / WCDMA / HSDPA / HSUPA Software protocol stack (Layer 1 to 3) – Version: 3GPP Release 7
- GSM Quad band (900 / 1800 MHz for EUx, 850 / 1900 MHz for NAX)

- WCDMA dual-band: B1 & B8 for the EUx models and B2 & B5 for the NAX models
- HSDPA up 7.2 Mbps
- HSUPA up to 5.76 Mbps
- WCDMA up to 384 kbps downlink/uplink
- DTM (Dual Transfer Mode)
- CPC (DRX/DTX) (Continuous Packet Connectivity)
- DARF
- SIM application Tool Kits 3GPP TS 51.014
- Output power:
  - Class 4 (2 W) @ 850 / 900 MHz, GSM
  - Class 1 (1 W) @ 1800 / 1900 MHz, GSM
  - Class E2 (0.5 W) @ 850 / 900 MHz, EDGE
  - Class E2 (0.4 W) @ 1800 / 1900 MHz, EDGE
  - Class 3 (0.25 W) @ 850 / 900 / 1900 / 2100 MHz, WCDMA
- HSPA: category 8 in downlink, category 6 in uplink
  - DL up to 7.2 Mbps
  - UL up to 5.76 Mbps
- WCDMA: up to 384 kbps downlink/uplink

## GPRS modem

- Quad-band GSM 850 / 900 / 1800 / 1900 MHz
- GSM /GPRS protocol stack 3GPP Release 4 compliant
- Output power:
  - Class 4 (2 W) @ 900 MHz
  - Class 1 (1 W) @ 1800 MHz
- SIM Application Toolkit 3GPP TS 51.014
- SIM Access Profile
- TCP / IP stack access via AT commands
- Sensitivity:
  - $\leq -108$  dBm (typ.) @ 850 / 900 MHz

<b>Power supply</b>	5 - 30 V DC
<b>Interfaces</b>	RS-232, USB