

## HSPA+ communication module

### CRM000CMCMOD0000



- Remote monitoring and control
  - Reliable high-speed cellular connection to Monitoring of remote devices and processes
  - Control systems through virtual HMI
  - Receive real-time email or SMS notifications
- All-in-one solution
  - No external devices and communication gateways required
  - Cost-effective Space and time saving
- -10 °C to +50 °C operating temperature
  - Works reliably in harsh environments
- Powered by the host device
  - Simplifies deployment by eliminating external power external power supply.
- Easy to program
  - Seamless configuration with Red Lion Desktop Crimson software.

<https://www.wachendorff-prozesstechnik.de/en/CRM000CMCMOD0000>

#### Description

The module utilizes an HSPA+ cellular network to provide reliable high-speed data communications for remote oil and gas, water and wastewater, power, utilities and alternative energy assets. Configure the HSPA+ module with Red Lion's Crimson® software, which simplifies setup via an intuitive graphical user interface with drag-and-drop functionality.

Certifications and conformities:

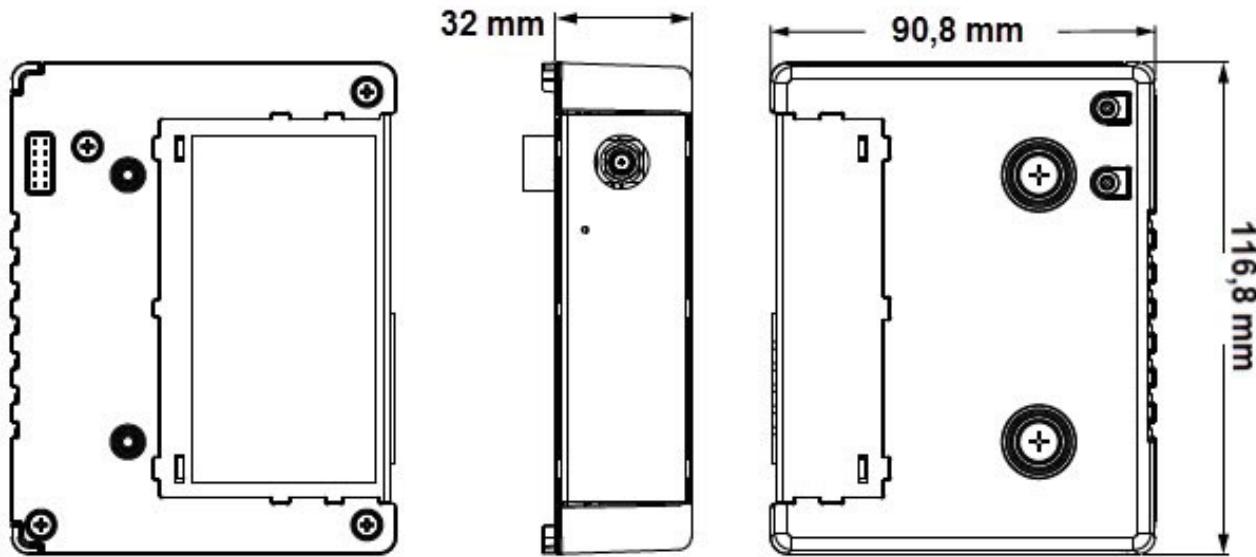
CE-approved  
EN 61326-1 for industrial sites  
IEC/EN 61010-1  
RoHS compliant

Dimensions (W x H x D): 32 mm x 116.8 mm x 90.8 mm

#### Product details

CRM0 power consumption:	HSPA+ mode: 3.5 W on average (max. 5.4 W) GPRS mode: 8.5 W on average (15 W max.)
Communication features:	HSPA+ with fallback capability to 3G and 2G Maximum speeds: Downlink 21 Mbps, Upload 5.76 Mbps Antenna isolation from host: 500 VDC for 1 minute
Antenna connection:	One SMA socket on the module Requires 50 Ohm antenna with SMA connector Penta-band HSPA+ antenna (850/900/1700/1700/1900/2100 MHz) worldwide Dual-band antenna (850/1900 MHz) USA and Canada Dual-band antenna (900/2100 MHz) Europe
Ambient conditions:	Operating temperature range: -10 °C to +50 °C Storage temperature range: -40 °C to +85 °C Relative humidity: 85 % max. relative humidity, non-condensing Altitude: Up to 2000 meters
Compatible HOST devices:	CR3000 Series DA30D High Performance Data Station

**Drawings**  
**Dimensions**





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