



NovaPass[™] Data Sheet

Outdoor RFID Reader

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APPLICATION

Compact, wall-mountable terminal for high throughput access control, time and attendance, and ID management applications

Product Description

NovaPass is a compact RFID reader based on CMITech's latest RFID technology. The wall-mount design supports MIFARE, and DESFire cards and can read mobile device cards using NFC and BLE protocols. Suitable for outdoor use, it meets elevated IP65 standard for intrusion protection (water and dust).

NovaPass incorporates a multi-band RFID reader operating at 13.56MHz, compliant with ISO/IEC 14443 standards, and supports MiFare, DesFire, FeliCa, and optional HID card compatibility. Its connectivity suite includes Ethernet (10/100 BaseT), Wiegand OUT, three General Purpose Inputs (GPI), RS-485, and Dry Contact Relay interfaces. Built for outdoor reliability, it carries an IP65 liquid ingress protection rating and operates seamlessly across a wide range of temperatures.

The device also features an LED status indicator, a magnetic tamper sensor to detect detachment from its mounting plate, and compatibility with CMID Manager V2 for access control and time & attendance systems. Authentication is completed in under one second for optimized efficiency.

Key Features

Feature	User Advantages
Multi-band RFID Reader	Supports various card technologies (13.56MHz ISO/IEC 14443, MiFare, DesFire, FeliCa, optional HID), offering broad compatibility and flexibility in choosing or integrating existing credentials.
Versatile Connectivity Options	Provides multiple interfaces including Ethernet, Wiegand OUT, GPI, RS-485, and Relay, allowing for seamless integration with diverse access control systems, network infrastructures, and peripheral devices like door locks or alarms.
Compatibility with CMID Manager V2	Allows for centralized management via CMITECH's AC/TA solution, simplifying user enrollment, device configuration, and monitoring of access events and time/attendance data.
Designed for Outdoor Use	Ensures reliable operation in various external environments thanks to its IP65 rating for dust and water resistance and a wide operating temperature range (-20°C to 50°C).
Fast Authentication Speed	Authenticates users in under one second, minimizing delays and improving user flow, especially in high-traffic areas.
LED Status Indicator	Gives clear visual feedback to users and administrators regarding the device's operational state and the outcome of authentication attempts.

Technical Specifications

ltem	Description
CPU	ARM Single Core A7
Color LED	LED Indicator
Dimensions	48mm(W) x 140mm(H) x 24mm(D) without mounting plate
Weight	151g
Enrollment Speed	Within 1 second
Authentication Speed	Within 1 second
Temperature Range	-20°C ~ 50°C (Operating)
Notification Sound	Supported
Rating	Input power: DC 15V, Current Consumption: 3W
RF Card Reader	13.56MHz ISO/IEC 14443 Standard, MiFare, DesFire, FeliCa, and HID (Optional)
External Connection	10/100 Base-T Ethernet (RJ-45 connector), Wiegand OUT, GPIO x 3, RS485, Dry Contact Relay
PoE (Power over Ethernet)	Optional
Certifications	CE, FCC, KC, UKCA, RoHS, IP65

Contact Information

Please contact CMITech or your representative for more information about the NovaPass product, Software Development Kits (SDK) and other supporting software.

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