RFT1000

RFT1000 reader is equipped with an optical fingerprint scanner and MIFARE® proximity reader. Build-in memory allows to program 1900 fingerprint templates. Fingerprint recognition can be performed by comparison scanned template with internal user database (1:N mode) or by comparison with template read from the proximity card (1:1 mode). The 1:1 mode allows to provide highest, third class of recognition in access control system and meets certain legal regulation which require biometric data to be stored on data containers belonging to employee. Reader can be connected to access controllers equipped with RACS CLK/DTA interface (Roger controllers) or other controllers accepting popular Wiegand data output format.
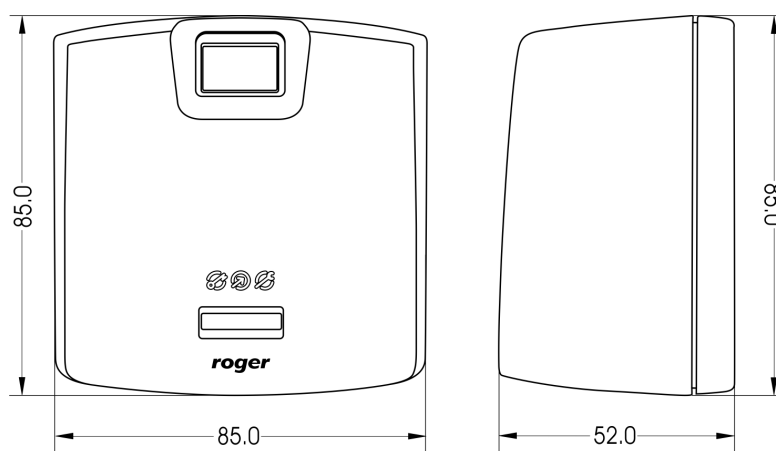
Features:

- Optical fingerprint scanner
- ISO/IEC 14443A MIFARE® proximity card reader
- Scanned fingerprint is compared with template read from proximity card (1:1 mode)
- Scanned fingerprint is compared with template read from internal database (1:N mode)

- 1900 fingerprint templates in 1:N mode
- RACS CLK/DTA and Wiegand data output interfaces
- RogerVDM program for device configuration and management
- Integration with PR Master program (RACS 4)
- Encrypted communication protocol AES128 CBC
- Programmable via RS485 or UDP

NOTICE! Before using the fingerprint reader you need to verify whether the application of the device under particular conditions is consistent with applicable law.

RFT1000 views and dimensions

Available versions and symbols

Symbol	Description
RFT1000	Standard version

Technical Specification

Parameter	Value
Supply voltage	Nominal 12VDC, min./max. range 10-15VDC
Current consumption	Average 130mA for 12VDC
Communication interfaces	LAN, RS485 (configuration) RACS CLK/DTA, Wiegand (output data)
Input lines IN1, IN2	Inputs electrically biased to +12V via 5.6kΩ resistor, triggering level 3V ÷ 4.5V
Environmental class (according to EN 50131-1)	Class I, indoor general conditions, temperature: +5°C to +40°C, relative humidity: 10 to 95% (no condensation), IP41
Tamper	Isolated contact, NC type, 24V/50 mA rated
Dimensions (W x H x D)	85mm x 85mm x 52mm
Weight	≈160g
Certificates	CE

Legal Notice

This document is not intended to be a technical specification of the product and has informative character only. The Manufactures of product reserves right to change its characteristic without notice. The product features listed in this document refer to the entire series and depends on particular product version, configuration and additional equipment.

roger®