The **WebENTRA R300** series is a secured encryption NFC reader capable of handling demanding contactless smartcard reader applications. With a 32bit ARM Cortex -M CPU and built-in hardware Cryptographic Acceleration Unit it can support AES128 and 3DES encryption algorithms. Secret keys for encryption can be stored in either Secured Access Modules (SAM) or internal reader memory.

The R385 has a color TFT LCD with touch screen supporting scrambled PIN entry that greatly enhanced security. Options are available for touch capacitive PIN entry or reader only configuration.

The R300 series offers many connectivity options. The built-in RS485 interface support both the ADNET and the OSDP protocols. For connection to traditional controllers, Wiegand interface is also available.

WebENTRA
READER Series

R385

R381   R303   R301

Key Features

- NFC Contactless smartcard reader technology supporting NFC, ISO14443A/B and FeliCa
- Built-in Buzzer and 3-color LED indications
- RS485 interface to Controller supporting ADNET and OSDP protocols
- Backward compatible to Wiegand interface to Controller
- Weather-resistant and Vandal-resistant housing

OPTIONS:
- Touchscreen Color LCD with scrambled PIN entry
- Touch Capacitive keypad
- Card & Data Encryption with 2 SAM
- PRIME & CORPORATE Secure Encryption with encryption key in reader
- Optical Fingerprint with 2x 4500 templates

Mechanical Diagram

76.00
76.00
22.00
21.35
135.00
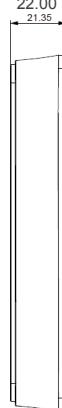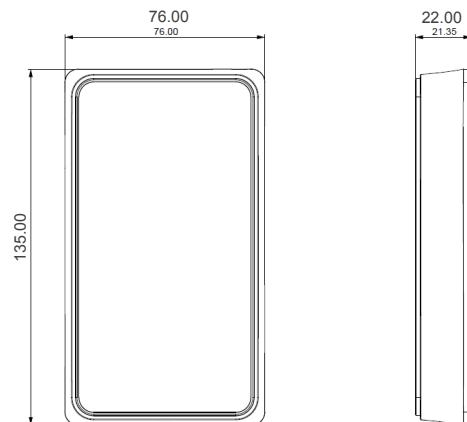
Fingerprint Depth: 48.00

Technical Specifications

Specifications*	R385SE-SAM	R381SE-SAM	R385SE	R303SE	R301SE
Description	SE Reader with Touch Screen Color LCD and SAM	SE Reader Only with SAM	SE Reader with Touch Screen Color LCD	SE Reader with Touch Sensing Keypad	SE Reader Only
Contactless Technology	NFC, ISO14443A/B and FeliCa				
LCD	TFT Color LCD, 240x320 with Touch Capacitive	-	TFT Color LCD, 240x320 with Touch Capacitive	-	-
Keypad	Capacitive Touchscreen	-	Capacitive Touchscreen	Touch Capacitive Keypad	-
Scrambled PIN	Yes	-	Yes	-	-
Encryption SAM Support	Up to 2 x SAM in 2FF/Mini SIM	Up to 2 x SAM in 2FF/Mini SIM	No	No	No
RS485	Yes, Support ADNET & OSDP				
Encryption Key in Reader Support	Yes (Optional)	Yes (Optional)	Yes (Optional)	Yes (Optional)	Yes (Optional)
Wiegand	Yes	Yes	Yes	Yes	Yes
Tamper Switch	Yes	Yes	Yes	Yes	Yes
Audio Feedback	Buzzer				
Visual Indicator	3 Color LED				
Protection	IP55				
DC Power Supply	12VDC, 0.3A	12VDC, 0.25A	12VDC, 0.3A	12VDC, 0.2A	12VDC, 0.2A
Operating Temperature	0 – 50 ℃				
Humidity	90%				
Dimensions	135 x 76 x 22 mm				
Weight	0.5kg		0.3kg		
Certifications	CE & FCC				

*Specifications are subject to change without prior notice

Ordering Information

Model No.	Description
R385SE-SAM	WebENTRA SE Reader with Touch Screen Color LCD and SAM
R381SE-SAM	WebENTRA SE Reader Only with SAM
R385SE	WebENTRA SE Reader with Touch Screen Color LCD
R303SE	WebENTRA SE Reader with Touch Sensing Keypad
R301SE	WebENTRA SE Reader Only