VIRDI

Security & Convenience

AC 4000

Manufactured by **UnionCommunity** (South Korea) the **ViRDI** range of Biometric Terminals are high-end Access Control, T&A and Meal Management systems.

Utilising patented technologies **ViRDI** is one of the most popular and secure Biometric Terminals available in the world.

* *Worlds Highest Ranked Extraction & Matching Algorithm as determined by the FVC Ongoing*
* *Patented Live & Fake Fingerprint Detection*
* *Patented Fingerprint Sensors*
* *Patented Communication Protocol*

ViRDI Distribution SA (Pty) Ltd adds accessories and knowledge that is unique to the African Continent and its installation requirements

The **AC 4000** is a stable workhorse Biometric Terminal from **ViRDI.** It is utilised in areas where high levels of security are required or where large numbers of users are present in areas where aesthetics aren't important but functionality is. The **AC 4000** is available in 125KHz RFID or 13.56MHz Smart Card models

Features:

* *128 x 64mm Monochrome Screen*
* *22 000 Card Users*
* *Maximum 22 000 fingerprint users (1:N)*
* *55 000 Event Log*
* *Numerical Keypad*
* *1 / 1 000 1:N fingerprint template comparrison in under 1 sec*
* *Two-Wire Intercom Functionality*

The **AC 4000** connects to the **UNIS** Access Control and Template Management software suite for full Access Control, T&A and Meal Management Functionality via Structured Premise Cabling (Cat 5a or Cat6) and a TCP/IP network

Accessories:

BLC-015	**-**	**Single door controller. Secure Relay, Lock Control, Power Supply and Battery Charge Circuit with drop-out protection**
ACC420	**-**	**Secure External Relay Circuit with 26bit Wiegand Interface**
EB-030	**-**	**No Touch Capacitive Exit Request Sensor**
ACC220	**-**	**Horizontal Robust Enclosure (Needs ACC225 Mounting Plate)**
SR-100FP	**-**	**Biometric and RFID Slave Reader (NOT for use in high traffic areas)**

Use Surge Protection on 12VDC , Lock Control and TCP/IP Line

AC 4000
Specification

Type		Biometric
Ingress Protection		NONE
Memory	MAX Users Card (Card)	22 000
	MAX Templates	44 000
	MAX Users (1:1)	24 000
	MAX Users (1:N)	22 000
	Recommended Users 1:N	3 000
	Transaction Log	55 000
	Photo Log	NONE
	MAX Access Groups	512
	MAX Access Areas	512
	MAX Access Times	128
	MAX Time Zone	128
	Template-on-Card	YES
	Template-on-Card Offline T&A	YES
Communication	To UNIS	TCP/IP
	Other	NONE
	Controller CP-040	RS-485 Secure Protocol
	Wi-Fi	NONE
	Wiegand	26bit / 34bit / Custom
To 3rd Party Devices	RS-232	Samsung SRP-350 Printer
	Wiegand	26bit / 34bit / Custom
	RS-485	NO
From 3rd Party Devices	Wiegand 26bit / 34bit / Custom	YES
Card Reader	RFID 125KHz - EM4100	YES
	Smart Card	YES
	Mifare	YES
	Desfire	NO
	HID	OPTIONAL
Display	LCD	Monochrome LCD
	Size	128 x 64mm
	Backlight	YES
Built-In Camera		NONE
Keypad		NUMERIC
Autoscan		YES
Door Phone Interface		YES
VoIP		NO
Function Keys		4
Sensor Type		Optical
Sensing Area		15mm x 17mm
Resolution		500dpi
Verification	1:1	< 0,5 sec
Identification	1:N (1 000 templates)	< 1 sec
Dimension	(W) x (H) x (D) in mm	181 x 109 x 47
Support Slave Reader	SR-100FP	YES
FRR / FAR		0,1% / 0,0001%
Power Supply		12VDC
Power Consumption		400 - 700mA

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