L-1 IDENTITY SOLUTIONS™

BIOSCRYPT
ENTERPRISE ACCESS SOLUTIONS

4G V-Station Extreme

Features at a glance

- IP 65 rated for operating in Severe Downpours, Ice and Snow

- Lumidigm Sensor for Consistent Outdoor Authentication Capabilities

- Identify users with Wet, Greasy, and Many Cut or Damaged Fingers.

- Fake Fingerprint / Anti-Spoofing Capabilities

- Wide Temperature Range for Sub-zero Climates and the Hottest Desert. (-25 to +70 C) -13° to +158°F

- Store 500,000 templates in 1:1 and up to 50,000 in 1:N with bins.

- Optional Integrated Card Readers (Prox, iClass, or MIFARE / DESFire)

- Full Color 3.5 inch LCD Screen

- Programmable Function Keys

- Backwards Compatible

- Remote Device Management

- Full IP and POE Enabled (Optional Wireless LAN)

- Programmable Function Keys for up to 16 Time & Attendance Commands

- Standalone Door Access Control (SDAC) Capabilities

Extraordinary Performance for the Most Extreme Environments

Designed for access control in the rain, sleet, snow and desert conditions. Our IP 65 rated solution is built to address your concerns and perform in moderate to the most extreme outdoor conditions. Confidently deploy a biometric device created for organizations that cannot compromise on security regardless of the weather.

Prepare for the Demands of Today and the Future with a Scalable Platform

Quick throughput, deployment flexibility, and the ability for the system to expand over time address today's demands and are drivers for future requirements.
- Ensure employees gain access fast, 4G searches 6,000 templates per second.
- Accommodate enterprise installs with storage of 500,000 templates for 1:1 verification.
- Eliminate the need for cards and PINs - store 10,000 templates for 1:N. (50,000 with binning)

Meet Challenging Security Requirements

A full range of options are available for different security requirements.
- Remove install constraints with options for single-, two- or three-factor authentication.
- Reduce cost and complexity with built-in door relay and controls.
- Identity users with wet, greasy, severely dry, and many cut or damaged fingers.

Reduce Maintenance Costs

Save time and drive down the cost of ownership with a communication-ready connected smart device, containing new installation and maintenance capabilities.
- Leverage the latest communication standards - Full Ethernet, POE, with optional Wireless LAN (WiFi)
- Take full advantage of IP connectivity for remote device management.

Increase Workforce Management Efficiency

Address workforce management issues with biometric enabled Time and Attendance capabilities.
- Improve communication by sending real-time workforce notifications.
- Provide clear instructions with programmable function keys for up to 16 Time & Attendance Commands.
- Eliminate lost transactions with the capability to store 1 Million transaction logs.

4G V-Station Extreme
Product Specifications

Dimensions	Height 7.2"(181 mm) Width 10.0"(254 mm) Depth 4.3"(109mm) With TEC Module - Height 8.4"(213 mm) Width 10.0"(254 mm) Depth 5.4"(137mm)
Ingress-protection rating	IP 65
NEMA Rating	NEMA 4X (Undamaged by water and formation of ice, protection of corrosion)
Operating Temperature	With TEC Module (Thermo Electric Cooler) (-25°C to +70°C) -13°F to +158°F Without TEC Module (-25°C to +50°C) -13°F to +122°F
Communications	Networking Options: LAN, WAN, RS485, Optional Wireless LAN (802.11b and 802.11g) PC Connection: USB, RS232
External Media	USB memory
Input / Outputs	Wiegand (Customizable format up to 254 bits) 3 General Purpose Inputs 3 General Purpose Outputs (Extendable to 6 outputs)
Fingerprint Sensor Options	Lumidigm
Internal Card Reader Options	Prox, iClass, MIFARE/DESFire
Template Storage Capacity	500,000 per unit for 1:1 verification 10,000 per unit in 1:N identification (Standard) 50,000* per unit in 1:N identification (Standard) *Enabled with binning
Transaction Log Capacity	1 Million transaction logs stored on device
Authentication Modes	4G V-Station Extreme (Base) 　• Finger Only 　• Finger + PIN 　• PIN Only 　• Finger + Card or PIN (with an external Wiegand reader) 4G V-Station Extreme (Prox) 　• Prox Card + Finger 　• Prox Card Only 　• Finger Only 　• Finger + PIN 　• PIN Only 　• Prox Card + PIN + Finger 4G V-Station Extreme (Smart Card) 　• Smart Card + Finger 　• Smart Card + PIN 　• Smart Card + Finger + PIN 　• Finger Only 　• Card Only
Template Support	Bioscrypt Pattern and Minutia
Display	3.5" QVGA Color LCD
Speaker	Full Audio Support
Keypad	3x4 Backlit Keypad (Blue) 4 Programmable Function Keys for up to 16 Time & Attendance Commands Multi Directional Navigation Keys
Voltage	Reader 12 - 24V DC / TEC Module 12-24V DC / 1.5amps @ 24 VDC
Current Draw	Reader 3 amps @ 12 VDC / 1.5amps @ 24 VDC TEC Module 10amps @ 12 VDC
Power Over Ethernet (POE)	Standard
Power Indicator	LED indicator (Blue)
Integrated Door Relay	Deadbolt, electromagnetic (EM) lock, door strike, automatic door
Mounting	Flush mount option available
Regulatory Approvals and Certifications	FCC, CE (R&TTE), RoHS
Administration Software Options	Works with SecureAdmin™ software or SecureSDK™

Device Models

	4G Extreme (Base)	4G Extreme (Prox)	4G Extreme (iClass)	4G Extreme (MiFare/DESFire)
Lumidigm Venus Sensor	ESTV	ESTVP	ESTVH	ESTVG

Other options available on the 4G V-Station Extreme include:

• Intergrated Wireless LAN

• Intergrated Thermo Electric Cooler Module (TEC Module)

• 1;50k Matching with Binning (only available on Base and Prox)

vSTNEX01.03.10

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