Hamster™ Pro Duo SC/PIV
Hamster™ Pro Duo CL

SecuGen Hamster Pro Duo readers are suitable for any smart card application where dual factor authentication is needed for higher security without sacrificing convenience. It features the industry's most accurate, rugged, and affordable USB fingerprint reader to give you what the SecuGen brand is known for, the highest quality in fingerprint biometrics.

Accurate Durable Maintenance-Free Cost-Effective

Features

- Accurate, patented optical USB fingerprint sensor with 500 DPI resolution
- Auto-On™ automatic finger detection and Smart Capture™ for quality scanning of dry, moist, aged, scarred, and difficult-to-scan fingers
- Fake Finger Rejection for enhanced security*
- Contact smart card reader (SC/PIV model)
- Contactless smart card reader with built-in NFC antenna (CL model)
- Convenient, ergonomic design
- Fingerprint sensor FBI Certified for FIPS 201 (PIV) and Mobile ID FAP 20

Hamster Pro Duo SC/PIV

Hamster Pro Duo CL

Benefits

- Improved security with convenience and reduced password reset requests because fingerprints act like digital passwords that cannot be lost, forgotten or stolen
- Improved accountability by allowing users to quickly and easily prove their identities with their fingerprints
- Reliable and consistent performance for an ever-increasing number of applications designed for mobile, desktop, network, enterprise, and Internet environments

The Highest Quality in Fingerprint Biometrics at Affordable Prices

Accurate

SecuGen sensors are very accurate thanks to an ultra-compact, patented optic design that produces high quality images for greater precision, less false rejections/false acceptances, and better overall performance compared to competing fingerprint sensors.

Maintenance-free

Unlike semiconductor-based sensors and other optical sensors, SecuGen sensors are made with hardened glass that needs no coatings or special protection. SecuGen sensors resist scratches, ESD, corrosion, and other stresses and can be easily wiped clean without fear of damage.

Typical Applications

- Physical Access Control
- Personal Identity Verification (PIV)
- National ID Cards
- Any smart card / fingerprint application

Durable

With a virtually indestructible sensor prism, the SecuGen sensor is extremely rugged. SecuGen sensors are designed to be strong for dependable and consistent scanning even outdoors and under harsh or high traffic environments.

Cost-effective

SecuGen designs, develops, and manufactures its own fingerprint sensors that are built to last and deliver solid performance for years, making SecuGen sensors the most cost effective choice.

Free SDKs

With a variety of free Software Development Kits to choose from, SecuGen readers are easy to integrate into almost any kind of application.

Request a free SDK at **www.secugen.com** today!

* Fake Finger Rejection currently supported on Windows only; support for Android and Linux coming soon.

Website: www.etopme.ae, Email: sales@etopme.ae, Abu Dhabi Tel.: +971 2 650 3433, Dubai Tel.: +971 4 455 9007

Specifications

Product Name	Hamster Pro Duo SC/PIV	Hamster Pro Duo CL
Model	XU20SCI	XU20CL
Fingerprint Sensor	U20	U20
Image Resolution	500 DPI	500 DPI
Image Size	300 x 400 pixels	300 x 400 pixels
Platen Size	18.2 mm x 22.9 mm	18.2 mm x 22.9 mm
Effective Sensing Area	15.2 mm x 20.3 mm	15.2 mm x 20.3 mm
Image Gray Scale	256 levels (8-bit)	256 levels (8-bit)
Light Source	LED	LED
Smart Capture Speed	0.2 ~ 0.5 seconds	0.2 ~ 0.5 seconds
Features (when used with SecuGen Pro SDKs)	Auto-On, Smart Capture, 360 Degree Fingerprint Rotation	Auto-On, Smart Capture, 360 Degree Fingerprint Rotation
Biometric Standards/Specs	INCITS 378, ISO/IEC 19794-2, 19794-4, FIPS 201, FBI PIV & Mobile ID FAP 20, NIST MINEX, WSQ	INCITS 378, ISO/IEC 19794-2, 19794-4
Dimensions	80.0 x 100.0 x 45.5 mm	77.5 x 160.0 x 37.7 mm
Weight	186 g	250 g
Operating Temperature	0° ~ 55° C	0° ~ 50° C
Operating Humidity	10 ~ 90%	10 ~ 90%
USB Interface	1.1 Full, 2.0 Hi-Speed	1.1 Full, 2.0 Hi-Speed
Supply Voltage	5 V DC (via USB)	5 V DC (via USB)
Max Current	220 mA	450 mA
Compliance	FCC, CE, KCC, RoHS	FCC, CE, KCC, RoHS
Warranty	One year limited	One year limited
Supported OS	Windows 10 / 8.1 / 8 / 7, Server 2016 / 2012 / 2008 R2, Android 3.1+, Linux	Windows 10 / 8.1 / 8 / 7, Server 2016 / 2012 / 2008 R2, Android 3.1+, Linux
Card Reader Specifications	Identiv CLOUD 2100R contact reader Standards: ISO/IEC 7816, EMV, and PC/SC Protocols: T=0 and T=1 Cards: Class A, Class B, Class C CCID compliant Interface speed: 12 Mbps Max clock frequency: 4.8Mhz Max baud rate: 600Kbps @FI/DI-97	ACR1251U1-A1 contactless reader Compliance/Standards: ISO 18092, 14443, 7816, PC/ SC, CCID, LASCOM, EN 60950/ IEC 60950 Protocols: ISO 14443 T=CL for ISO 14443-4 compliant cards and T=CL Emulation for MIFARE 1K/4K, ISO 18092, FeliCa and NFC tags
Features	Status LED Remote Wake-up for card insertion/removal Short circuit protection on smart card	Distance: up to 50 mm Frequency: 13.56 MHz Interface speed: up to 420 kbps Interface: ISO 14443 Type A & B, Mifare, FeliCa, NFC (ISO/IEC 18092) APIs: PC/SC, CT-API Peripherals: bicolor LED, buzzer, ISO 7816 compliant SAM slot
Certifications	FCC Class B, CE, EMV 2008 Level 1, WHQL, UL 60950, USB IF, UL92, GSA, ANZ, RoHS, ICES-003 Issue 4, VCCI	

What's Inside a Hamster Pro?

At the heart of all Hamster Pro readers are SecuGen's newest ultra-compact fingerprint sensors with advanced features including:

Auto-On™ automatically detects the presence of a finger when placed on the reader for quick and easy authentication

Smart Capture™ captures high quality fingerprints from dry, moist, aged, scarred and difficult-to-scan fingers for greater accuracy and reliability

High durability and ruggedness with proven resistance to electrostatic shock, impact, drops, scratches, extreme temperatures, humidity, and contaminants such as sweat, dirt, and oil

Patented optical technologies for clear, accurate imaging with high contrast, high signal-to-noise ratio and low distortion

Reliable performance even under challenging conditions and tough environments

Rejection of false fingerprints such as latent prints and 2-D images

Fingerprint data protection with templates that cannot be used to reconstruct fingerprint images

Greater sensor-to-sensor consistency for high accuracy when matching fingerprints enrolled with different fingerprint readers at different locations