VSSA®

Security • Productivity • Compliance

The Solution for Secure, Dependable, and Reliable User Authentication that Protects Your Business and User Privacy

V S S A is designed to meet enterprise computing needs for security, reliability, efficiency, and integration. The fingerprint sensors deployed by V S S A to capture each user's unique biometric template are an important part of making V S S A the best biometric solution for the enterprise.

The APC Biopod USB sensor is the approved biometric capture device for V S S A. This rugged and dependable sensor incorporates an AuthenTec device with TruePrint™ technology. V S S A uses these technologies to provide multiple protections against 'spoof' or replay attempts and a solution that is extremely accurate but does not store an image of a user fingerprint – ***ever***.

APC Biopod USB

The APC Biopod captures the biometric template that allows the user to log on to a system or authenticate to a transaction by simply placing their fingertip on the Biopod sensor. Since every company implements according to their company IT security and compliance model, V S S A authentication may be used alone, or in conjunction with passwords, smart cards, or tokens.

Connection to PCs, Thin Clients, laptops, and other approved devices is via a standard USB port. The economical APC Biopod (about $40) features a compact portable design (only 1" by 2"), is fully self-powered, and is covered by a two (2) year repair or replacement warranty. Cleaning is not required on a regular basis. If material does accumulate, the normal wiping action of a finger is usually adequate to clean the sensor.

AuthenTec TruePrint™ Technology

First generation fingerprint sensor devices used optical imaging to take a picture of the finger skin. Second generation technologies to detect finger patterns and convert those patterns into electrical signals included infrared gauging, mechanical force measurement, temperature measurements, and electrical capacitance.

In 1998, AuthenTec developed a unique semiconductor-based fingerprint reader that uses small radio frequency (RF) signals to detect the fingerprint ridge and valley pattern. This RF electronic imaging mechanism, called TruePrint technology, works by reading the fingerprint pattern from the live, highly-conductive layer of skin that lies just beneath the skin's dry outer surface layer. Sensors that use TruePrint are less affected by common skin surface conditions -- including dry, worn, calloused, dirty or oily skin -- that can impair the ability of other sensors to acquire accurate fingerprint data. That makes TruePrint sensor technology capable of working accurately under virtually any condition.

About VSSA and Your Personal Privacy

V S S A keeps your personal identity safe and secure.

When a user enrolls in V S S A, a unique, highly reliable biometric template is created, uniquely encrypted, and stored at a secure IBM System i5. This database is not able to be used by any other system i5 or any other installation of V S S A. This template ***does not*** contain an image of the user fingerprint, or contain any data that can be used to construct an image of a fingerprint.

Each time a user authenticates with V S S A a new biometric template is created and uniquely encrypted. This template is sent to the V S S A host system, matched, and then discarded. Since each V S S A transaction and biometric template capture is unique, no part of the transaction is usable for spoofing a user identity or replaying a result.

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