PRECISION BIOMETRIC | InnaIT IDENTITY SECURED

Glossary of Acronyms & Abbreviations

ABOUT THIS GLOSSARY

This glossary expands the acronyms, abbreviations and short forms used for InnaIT identity-secured products, solutions, and offerings by Precision Biometric.

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Glossary A–Z

Each entry gives the short form as it appears on the site, its full form, and what it means in the context of InnaIT and Precision Biometric products.

0–9

6 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
1:1	**One-to-one match**	Verification: checking a fingerprint against one stored record
1:n	**One-to-many match**	Identification: searching one fingerprint across many records
2FA	**Two-Factor Authentication**	Biometric login as a second factor; module of the InnaIT Framework
3D	**Three-Dimensional**	“3D facial depth analysis” used in anti-spoofing
3DES	**Triple Data Encryption Standard**	Encryption algorithm built into the PB1000 scanner
4G LTE	**Fourth Generation Long-Term Evolution**	Mobile data connectivity on the PB ABAS 100 L1

A

18 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
AAN	**Authentication, Authorization & Non-Repudiation**	Standard listed for the Zero Trust Security
ABAS	**Aadhaar Based Attendance System**	Attendance use case for PB1000; also in the product name PB ABAS 100
ABS	**Acrylonitrile Butadiene Styrene**	Plastic used for InnaITKey token casings (spec sheets)
AC	**Alternating Current**	Charger input of PB ABAS 100 (AC 100–240 V)
AD	**Active Directory**	Microsoft user directory; used in BioAD, BioWinAD and “AD Sync”
AD Sync	**Active Directory Synchronisation**	Add-on module that syncs users from Active Directory
AEBAS	**Aadhaar Enabled Biometric Attendance System**	Government attendance system built on Aadhaar authentication
AEPS	**Aadhaar Enabled Payment System**	Payment by Aadhaar number plus fingerprint (BHIM Aadhaar Pay)
AES	**Advanced Encryption Standard**	Encryption algorithm in PB1000 and InnaITKey tokens

A

18 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
AI	**Artificial Intelligence**	AI-driven phishing and deepfakes, and AI-assisted threat detection
AIS 20/31	**German (BSI) evaluation standard for random number generators**	TRNG compliance claimed for InnaITKey PK1100
ALGO	**Algorithms**	Framework core contents
API	**Application Programming Interface**	How applications call InnaIT services
APPI	**Act on the Protection of Personal Information (Japan)**	Privacy law citation for Japan
ATM	**Automated Teller Machine**	Part of a client bank's network in a Flexcube case study
ATO	**Account Takeover**	Attack that hijacks a user's account
Auto	**Automobile**	Industry vertical for InnaITKey
AWS	**Amazon Web Services**	Precision is an AWS Advanced Consulting Partner

B

10 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
BAS	**Biometric Attendance System**	Government attendance system based on Aadhaar
BFSI	**Banking, Financial Services and Insurance**	Industry segment served by InnaIT
BHIM	**Bharat Interface for Money**	Government payment brand, as in "BHIM Aadhaar Pay"
BioAD	**Biometric Active Directory**	Fingerprint login for Windows Active Directory; supports VPN and VDI
BioNIX	**Biometric protection for servers (product name)**	Biometric 2FA for administrator access to Windows, Linux and Unix servers
BioWinAD	**Biometric Windows Active Directory**	InnaIT module for fingerprint Windows login (on-prem AD and Azure AD)
BIS	**Bureau of Indian Standards**	Certification held by Precision scanners, PB ABAS 100 and InnaITKey tokens
BN P256	**Barreto–Naehrig 256-bit elliptic curve**	ECC curve supported by the PK122X-DSC token
BOTS	**Bots (software robots)**	Automated activation that InnaITKey DSC tokens block
BYOD	**Bring Your Own Device**	Personal devices used for work (Enterprise page)

C

19 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
CA	**Certifying Authority**	Body that issues digital certificates stored on InnaITKey DSC
CBS	**Core Banking System / Core Banking Solution**	A bank's central system (Finacle, Flexcube, Bancs) protected by InnaIT 2FA
CC	**Common Criteria**	As in "CC EAL 6+"
CCA	**Controller of Certifying Authorities**	Indian regulator that approved InnaITKey DSC
CCPA	**California Consumer Privacy Act**	Privacy law citation for US
C-DAC	**Centre for Development of Advanced Computing**	Government R&D body present at the PKIA 2024 DSC launch
CDM	**Cash Deposit Machine**	Part of a client bank's network in a Flexcube case study
CE	**Conformité Européenne**	European conformity mark held by Precision devices
CERT-In	**Indian Computer Emergency Response Team**	National cyber-security agency; certified the InnaIT server stack
CIAM	**Customer Identity and Access Management**	Managing sign-up, login and access for an organisation's customers
CIDR	**Central Identities Data Repository**	UIDAI database that verifies Aadhaar authentication requests
CISA	**Cybersecurity and Infrastructure Security Agency**	US agency that lists FIDO/WebAuthn as phishing-resistant
CMMI ML3	**Capability Maturity Model Integration, Maturity Level 3**	Process-maturity rating cited for the InnaIT Framework
CPRA	**California Privacy Rights Act**	US state privacy law cited with CCPA
CPU	**Central Processing Unit**	Processor inside the InnaITKey token microcontroller
CRM	**Customer Relationship Management**	Enterprise application type protected by the InnaIT Framework
CSITE	**Cyber Security and IT Examination**	RBI inspection unit whose observations a private bank resolved with InnaIT
CSP	**Cloud Solution Provider**	Precision's Microsoft partner status
CTAP	**Client to Authenticator Protocol**	FIDO2 protocol linking a device to an external authenticator

D

7 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
DB	**Database**	Store for fingerprint templates on the InnaIT server
DBIR	**Data Breach Investigations Report**	Verizon's annual breach report citation
DBT	**Direct Benefit Transfer**	Government scheme using Aadhaar authentication
DC	**Direct Current**	Operating voltage of InnaITKey tokens (5V DC)
DPDP Act / DPDPA	**Digital Personal Data Protection Act**	Indian privacy law; InnaITKey keeps PII under user control
DPI	**Dots Per Inch**	Fingerprint sensor resolution (363 DPI on InnaITKey, 508 DPI on PB scanners)
DSC	**Digital Signature Certificate**	Certificate for digital signing; stored on InnaITKey DSC tokens

E

16 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
EAL6+	**Evaluation Assurance Level 6 augmented**	Common Criteria security rating of InnaITKey controllers
ECC	**Elliptic Curve Cryptography**	Cryptographic algorithm in PB1000 and InnaITKey tokens
EDR	**Endpoint Detection and Response**	Security monitoring tool recommended for SMEs
EHR	**Electronic Health Record**	Digital patient record linked to biometric identity
e-KYC / eKYC	**Electronic Know Your Customer**	Paperless identity check using Aadhaar
EMVCo	**Europay, Mastercard and Visa Company**	Payment-chip certification held by InnaITKey controllers
e-PDS	**Electronic Public Distribution System**	Aadhaar application listed for the PB510 scanner
ERP	**Enterprise Resource Planning**	Enterprise application type protected by the InnaIT Framework
ESD	**Electrostatic Discharge**	Static-shock protection rating of scanners and tokens
e-Sign / E-Signing	**Electronic Signature**	e-Sign use case for PB 510; e-signing POA documents in share trading
eSSO	**Enterprise Single Sign-On**	Framework module paired with 2FA
EU	**European Union**	Jurisdiction of the GDPR
EUC	**End-User Computing**	Managed-services offering
E-Voting	**Electronic Voting**	Share-trading use case for InnaITKey

E

16 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
EVS	**Event Verification System**	Framework module that prevents impersonation in multi-stage processes
e-Waste	**Electronic Waste**	Footer link to the e-waste management policy

F

9 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
FAR	**False Acceptance Rate**	How often a biometric system wrongly accepts an impostor
FCC	**Federal Communications Commission**	US compliance mark held by InnaITKey tokens
FIDO	**Fast IDentity Online**	Open standard for passwordless login; Precision is a FIDO Alliance member
FIDO2	**Fast IDentity Online 2**	Current FIDO standard (WebAuthn + CTAP); InnaITKey FIDO2 product line
FIDO2 L2 / FIDO2L2	**FIDO2 Authenticator Certification Level 2**	Certification level held by InnaITKey PK1100, PK1101 and PK1210
FIPS 140-2 / 140-3	**Federal Information Processing Standard 140-2 / 140-3**	US crypto-module standards met by InnaITKey tokens
FP	**Fingerprint**	As in “successful FP authentication” and “STQC Certified FP scanners”
FRR	**False Rejection Rate**	How often a biometric system wrongly rejects a genuine user
FW	**Firmware**	Firmware version of the DSC certificate module (FW16)

G

10 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
g / gms	**Gram(s)**	Device weights in spec sheets
GB	**Gigabyte**	Memory and storage unit (PB ABAS 100)
GDPR	**General Data Protection Regulation**	EU privacy law that treats biometrics as special-category data
GeM / GEM	**Government e-Marketplace**	Government procurement portal listing PB ABAS 100 L1
GHz	**Gigahertz**	Processor speed unit

G

10 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
GLONASS	**Global Navigation Satellite System (Russia)**	Satellite positioning supported by PB ABAS 100 L1
GNSS	**Global Navigation Satellite System**	Optional location support on PB ABAS 100 L1
GPS	**Global Positioning System**	Satellite positioning on PB ABAS 100 L1; geo-location in the Soft Token
G-Sensor	**Gravity sensor (accelerometer)**	Motion sensor in PB ABAS 100
GSM	**Global System for Mobile Communications**	SIM slot type on PB ABAS 100

H

7 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
HANA	**High-performance Analytic Appliance**	SAP HANA user authentication with PB 510
HD	**High Definition**	Display spec on PB ABAS 100 L1
HID	**Human Interface Device**	USB device class that lets InnaITKey work in browsers without a driver
HRMS	**Human Resource Management System**	HR Application System
HSM	**Hardware Security Module**	Secure hardware for keys and biometric templates
H/W	**Hardware**	As in “End-to-End H/W & S/W Integration”
Hz	**Hertz**	Mains frequency of the PB ABAS 100 charger (50 Hz)

I

16 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
IAM / IDAM	**Identity and Access Management**	Category for InnaIT SSO and 2FA/eSSO
ICP	**InnaIT Credential Provider**	Enables Windows login through InnaITKey
ID	**Identity / Identification**	As in “User ID”, “ID cards” and “national digital ID”
IdP	**Identity Provider**	InnaIT positioned as a comprehensive Identity Provider (IdP) solution
IEEE	**Institute of Electrical and Electronics Engineers**	Body behind the Wi-Fi standard 802.11 b/g/n
IETF	**Internet Engineering Task Force**	Body behind RFC 4122 (UUIDs) cited in DSC spec sheets

I

16 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
IGA	**Identity Governance and Administration**	InnaIT pillar covering user lifecycle, access reviews and audit
iOS	**iPhone Operating System**	Apple mobile OS supported by InnaITKey DSC
IoT	**Internet of Things**	Connected devices; a Precision Group business line
IP	**Internet Protocol; Intellectual Property**	Internet Protocol (IP) is the primary network-layer Intellectual property (IP) refers to intangible creations that are legally protected from unauthorized use or duplication
IP65	**Ingress Protection rating 65**	Dust-tight, water-jet-resistant rating of PB1000 and the PB ABAS 100 scanner
IRNSS	**Indian Regional Navigation Satellite System**	Indian satellite positioning (NavIC) supported by PB ABAS 100 L1
ISIN	**International Securities Identification Number**	An International Securities Identification Number (ISIN) is a 12-character alphanumeric code defined by ISO 6166
ISO/IEC	**International Organization for Standardization / International Electrotechnical Commission**	Bodies behind ISO/IEC 24745, 30107 and IEC 61000-4-2 (ESD testing)
ITeS	**IT-enabled Services**	Product category in the Redington partnership for InnaIT
ITSM	**IT Service Management**	Consulting offering

J

2 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
JEDEC	**Joint Electron Device Engineering Council**	Body behind the JS-001 ESD test standard (PK31XX-DSC)
JWT	**JSON Web Token**	Signed tokens logged for audit in InnaIT 2FA

K

3 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
KB	**Kilobyte**	Memory size (PB1000) and 1K fingerprint template size
KV	**Kilovolt**	ESD protection level of scanners and tokens
KYC	**Know Your Customer**	Mandatory identity check for banks, telecom and insurers

L

7 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
L0	**Level 0**	UIDAI device level noted on the PB510 spec sheet
L1	**Level 1**	UIDAI/STQC security level of registered fingerprint devices PB 1000
LAN	**Local Area Network**	Optional Ethernet connection on PB ABAS 100 L1
LED	**Light-Emitting Diode**	Status light on scanners and tokens
LGPD	**Lei Geral de Proteção de Dados (Brazil's General Data Protection Law)**	Brazilian privacy law citation for data protection
LT / DT	**Laptop / Desktop**	Multi-device usage
LxWxH	**Length × Width × Height**	Dimension format in spec sheets

M

16 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
M	**Million**	As in "16 M colours" (PB ABAS 100 display)
mA	**Milliampere**	Current draw of scanners and tokens
mAh	**Milliampere-hour**	Battery capacity unit
MCU	**Microcontroller Unit**	PB1000 controller (120 MHz)
MEITY	**Ministry of Electronics and Information Technology**	Ministry overseeing CERT-In
MFA	**Multi-Factor Authentication**	Combining PKI, biometrics and password in InnaIT SSO
MHz	**Megahertz**	Controller speed unit (PB1000)
MIS	**Management Information System; Match-In-Sensor**	Reporting layer of NIC's AEBAS; fingerprint matching inside the InnaITKey sensor
MitM	**Man-in-the-Middle**	Attack that intercepts traffic; FIDO2 keys resist it
mm	**Millimetre**	Device dimensions in spec sheets
MP	**Megapixel**	Camera resolution on PB ABAS 100 L1
MS (enclosure)	**Mild Steel**	Metal enclosure material of PB ABAS 100 L1
MS (Azure, partners)	**Microsoft**	As in "MS Azure" and Precision's partner list
ms	**Millisecond**	Fingerprint match and touch-sensor response times
MSSQL	**Microsoft SQL Server**	Database supported by the InnaIT Framework

M

16 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
MySQL	**“My” + Structured Query Language**	Open-source database supported by the Framework

N

4 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
NBFC	**Non-Banking Financial Company**	RBI-licensed lender in the e-KYC case study
NFC	**Near Field Communication**	Contactless tap used by the PK33XX DSC card, FIDO keys and InnaITKey
NIC	**National Informatics Centre**	Government body that built AEBAS; one page writes “National Information Centre”
NIST	**National Institute of Standards and Technology**	US standards body; its SP 800-63B-4 and P-256/384/521 curves are cited

O

6 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
OIDC	**OpenID Connect**	Login standard; InnaIT is OIDC compliant
On-Prem	**On-Premises**	Deployment option alongside cloud and hybrid
OpEX	**Operating Expenditure**	Cost the InnaIT Soft Token helps reduce
OS	**Operating System**	As in “OS Support” and “Android 14 OS”
OTG	**On-The-Go**	USB mode letting the device host accessories
OTP	**One-Time Password**	SMS code that InnaIT aims to replace

P

18 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
PAD	**Presentation Attack Detection**	Detecting fake fingers, photos or masks
PAM	**Privileged Access Management**	Add-on module for admin accounts
PB	**Precision Biometric**	Prefix of device model names (PB 1000, PB 510, PB ABAS 100)
PC	**Personal Computer**	Desktop to which fingerprint scanners connect
PCH	**Platform Controller Hub**	Renesas security component listed in the PB1000 spec sheet
pF (PF)	**Picofarad**	Touch-sensor sensitivity of InnaITKey tokens (25 pF)

P

18 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
PhaaT	**Phone-as-a-Token**	Soft-token solution using a smartphone's native biometrics
PID	**Product ID**	USB product identifier; InnaITKey DSC verifies authenticity by PKI instead
PII	**Personally Identifiable Information**	Data such as fingerprints and passwords
PIM	**Privileged Identity Management**	Framework module giving administrators biometric-verified server access
PIN	**Personal Identification Number**	Numeric code used to unlock an authenticator
PIVOT	**Precision's Value Added IoT Framework**	Precision Group's IoT platform
PK (PK1100, PK1101, PK31XX...)	**Model prefix**	InnaITKey hardware model numbers
PKI	**Public Key Infrastructure**	Certificate-based cryptography combined with biometrics in InnaIT
POA	**Power of Attorney**	Documents e-signed with InnaITKey in share trading
POS	**Point of Sale**	Time and place where a customer executes the payment for goods or services
PSU	**Public Sector Undertaking**	Government-owned company; target user of PB ABAS 100
PTG.2	**Physical True-random Generator, class 2**	TRNG class under AIS 20/31 claimed for InnaITKey PK1100

Q

1 TERM

Term	Full form	Reference to InnaIT / Precision Biometric
QR	**Quick Response**	QR-code verification in InnaIT SSO and the Soft Token

R

12 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
R&D	**Research and Development**	Precision's in-house development focus
RAM	**Random Access Memory**	Device memory (4 GB on PB ABAS 100; 640 KB on PB1000)
RBAC	**Role-Based Access Control**	Identity-governance capability of InnaIT

R

12 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
RBI	**Reserve Bank of India**	Regulator whose authentication guidelines drive bank 2FA projects
RD Service	**Registered Device Service**	UIDAI-approved driver layer for certified biometric devices
Recon	**Reconciliation**	"Day End Recon" share-trading use case
REST	**Representational State Transfer**	"Rest APIs" for integrating InnaIT 2FA
RFC	**Request for Comments**	IETF standard series; RFC 4122 defines UUIDs
RFID	**Radio-Frequency Identification**	Optional card reader on PB ABAS 100 L1
RH	**Relative Humidity**	PB 510 operating humidity (10–90% RH)
RoHS	**Restriction of Hazardous Substances**	Environmental compliance of Precision devices
RSA	**Rivest–Shamir–Adleman**	Public-key algorithm in PB1000 and InnaITKey tokens

S

18 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
SaaS	**Software-as-a-Service**	Hosted delivery model for InnaIT SSO
SAML	**Security Assertion Markup Language**	Integration standard listed for InnaIT SSO and 2FA/ eSSO
SAP	**Systems, Applications and Products**	Enterprise software secured with InnaIT and PB 510
SDK	**Software Development Kit**	Toolkit for integrating InnaIT, Aadhaar and behavioural biometrics
SFA	**Single-Factor Authentication**	Password-only login that InnaIT 2FA replaces
SHA	**Secure Hash Algorithm**	Hashing (SHA-1 to SHA-512) in PB1000 and InnaITKey tokens
SIEM	**Security Information and Event Management**	Security monitoring tool recommended for SMEs
SIM	**Subscriber Identity Module**	Mobile SIM; SIM changes are a behavioural-risk signal
SMB	**Small and Medium Businesses**	Smaller organisations served by "InnaIT for SMB"
SME	**Small and Medium Enterprise**	Standard Industry Sector
SMS	**Short Message Service**	Text messages used for OTPs

S

18 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
SoC	**System on Chip**	Chip design used for InnaITKey's match-in-sensor authentication
SoD	**Segregation of Duties**	Identity-governance control enforced by InnaIT
SP 800-63B-4	**Special Publication 800-63B-4**	NIST digital identity guidance
SS	**Stainless Steel**	Casing material of InnaITKey PK1210 and PK122X-DSC
SSO	**Single Sign-On**	One login to reach many applications
STQC	**Standardisation Testing and Quality Certification**	Government directorate that certifies Precision devices
S/W	**Software**	As in "End-to-End H/W & S/W Integration"

T

6 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
TAS	**Time and Attendance System**	Centralised attendance module of the Framework
TCO	**Total Cost of Ownership**	Lower when NIC applications are used with PB ABAS 100
TLS	**Transport Layer Security**	Encryption of InnaIT user sessions (TLS 1.3)
TOTP	**Time-based One-Time Password**	Verification option in the InnaIT Soft Token
TPM	**Trusted Platform Module**	Secure chip that can hold biometric templates
TRNG	**True Random Number Generation**	Hardware random numbers for PB1000 and InnaITKey cryptography

U

6 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
UID	**Unique Identification**	The Aadhaar identity ecosystem
UIDAI	**Unique Identification Authority of India**	Issues Aadhaar and certifies authentication devices
URL	**Uniform Resource Locator**	Web address; "URL spoofing" is a named threat
USB (USB-A, USB-C, Micro USB)	**Universal Serial Bus**	Connector types on scanners and tokens
USD	**United States Dollar**	Currency of market and breach-cost figures
UUID	**Universally Unique Identifier**	128-bit device identifier in InnaITKey DSC microcontrollers

V

6 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
V	**Volt**	Operating voltage of scanners and tokens (5V)
V1.0–V4.0	**Version 1.0–4.0**	Stages of Precision's evolution ("Precision 4.0")
VDI	**Virtual Desktop Infrastructure**	Remote desktops protected by BioAD; Citrix VDI in an insurer case study
VID	**Vendor ID**	USB vendor identifier; InnaITKey DSC verifies authenticity by PKI instead
Vol.	**Volume**	Volume keys on PB ABAS 100
VPN	**Virtual Private Network**	Remote network access protected by BioAD

W

7 TERMS

Term	Full form	Reference to InnaIT / Precision Biometric
W	**Watt**	Speaker rating on PB ABAS 100
W3C	**World Wide Web Consortium**	Standards body behind WebAuthn
WebAuthn	**Web Authentication**	W3C web standard that, with CTAP, forms FIDO2
WFH	**Work From Home**	Remote-access scenario
WIAM	**Workforce Identity and Access Management**	InnaIT employee-access solution deployment
Win Login	**Windows Login**	First step in the SSO roadmap
w/o	**Without**	As in "weight w/o package" (spec sheets)