

XGENPLUS

Enterprise Edition | Version 27

Sovereign • Secure • Scalable — Engineered for Mission-Critical Enterprise Communication

OEM: Data Ingenious Global Limited | **Part Codes:** XPENTE27 • XPENTES27 | **License:** Perpetual On-Premises with ATS & Software Assurance

20+
Years of
Proven Stability

EAI & IDN
All Major Languages
Supported

50M+
Mailboxes
Served

100%
Data
Sovereignty

PRODUCT OVERVIEW

XgenPlus Enterprise Edition is a sovereign, enterprise-grade email and collaboration platform engineered for secure, scalable, and policy-controlled communication environments. Designed for customer-controlled infrastructure, XgenPlus supports high-availability deployments, multi-tier architecture, compliance governance, and advanced security frameworks. Developed in India, it ensures complete data ownership, policy enforcement, and regulatory alignment for mission-critical deployments.

DEPLOYMENT ARCHITECTURE

<ul style="list-style-type: none"> On-Premises Deployment 	<ul style="list-style-type: none"> Single Server & Multi-Server Configurations
<ul style="list-style-type: none"> Private Cloud-Ready 	<ul style="list-style-type: none"> Logical Partitioning
<ul style="list-style-type: none"> Multi-Tenant Architecture 	<ul style="list-style-type: none"> Horizontal & Vertical Scalability
<ul style="list-style-type: none"> Multi-Domain Architecture 	<ul style="list-style-type: none"> 99.9%+ High Availability Design
<ul style="list-style-type: none"> Fully Compatible with Virtualized Infrastructure 	<ul style="list-style-type: none"> Role-Based Distributed Architecture

CORE PLATFORM CAPABILITIES

3.1 Messaging Engine

Protocols & Clients	<ul style="list-style-type: none"> SMTP, IMAP, POP3, HTTPS Full Webmail Interface Desktop Client Compatibility (Outlook, Thunderbird, IMAP Clients) Secure Mobile Synchronization
Productivity Features	<ul style="list-style-type: none"> Bandwidth-Optimized Webmail Conversation View & Advanced Indexed Search (incl. Attachment Content) Auto-Save Drafts • Email Recall (Within Organization Domain) Attachment Reminder Alerts • Attachment Size Warning & Auto-Link Replacement Scheduled Send (Future Delivery) Email Open & Delivery Tracking • Delivery Reports (DSN) Read Receipt Tracking • Undo Send (Configurable Recall Window)

Organisation & Rules	<ul style="list-style-type: none"> • Mail Merge (Personalized Bulk Email) • Group Personalized Mailing • Priority / Importance Levels • Quick Preview Mode • Next / Previous Mail Navigation • Bulk Delete • Mail Sharing (Individual Email Sharing) • Combine Multiple Emails into One with All Attachments • Time-Based Email Reminders • Spell Check While Composing • Drag and Drop Attachments in Webmail • Restore Deleted Emails from Trash • Restore Emails Deleted via Client • Push Notification System
	<ul style="list-style-type: none"> • Multi-Alias Support • Custom Signature Management • Out-of-Office Management • Email Categorization (OTP, Government, Banking, Social, etc.) • Custom Folders & Rules Engine • Folder Sharing with Granular Permissions • Nested Folder Management • Color Tagging Rules • Domain-Level Blocking Rules • Forward & Delete After Forward Rule

3.2 Collaboration & Productivity

Contacts & Directory	<ul style="list-style-type: none"> • Contacts & Global Address Book (GAL) • Personal Address Book • Contact Import / Export (CSV / VCF) • Contact Sharing • Google Contact Synchronization • vCard Creation & Preview • CardDAV Support for Contact Synchronization
Calendar & Scheduling	<ul style="list-style-type: none"> • Calendar & Recurring Meetings • Free/Busy View • Resource Booking (Rooms & Assets) • Delegated Calendar Access • ICS Import / Export • CalDAV Synchronization • Calendar Print Option • Calendar Templates • Appointment Confirmation Workflow • Office Holidays Configuration
Tasks & Productivity	<ul style="list-style-type: none"> • Dedicated Task Module • Quick Task Add Interface • Task Management & Email Shortcuts
Groups & Collaboration	<ul style="list-style-type: none"> • Distribution Groups & Dynamic Distribution Groups • Moderated Groups • Inbox / Folder Delegation & Send-on-Behalf for Regular Users • Private Notes on Emails • Users View Total Size and Available Space of Mailbox

3.3 Document Collaboration & File Management

<ul style="list-style-type: none"> • Web-Based Office 	<ul style="list-style-type: none"> • File Upload: DOC, DOCX, XLS, XLSX, PPT, PPTX, PDF
<ul style="list-style-type: none"> • Document / Spreadsheet / Presentation Creation 	<ul style="list-style-type: none"> • Drive-Based Storage
<ul style="list-style-type: none"> • Real-Time Multi-User Collaboration 	<ul style="list-style-type: none"> • Direct Attachment from Storage
<ul style="list-style-type: none"> • Internal & External Sharing 	<ul style="list-style-type: none"> • Auto Upload of Large Files with Secure Link Sharing

SECURITY FRAMEWORK

4.1 Authentication & Access Control

<ul style="list-style-type: none"> • Native Multi-Factor Authentication (MFA) 	<ul style="list-style-type: none"> • Delegated Administration
<ul style="list-style-type: none"> • TOTP Support 	<ul style="list-style-type: none"> • IP & Country-Based Access Restriction
<ul style="list-style-type: none"> • LDAP / Active Directory Integration 	<ul style="list-style-type: none"> • Trusted IP & Host Configuration
<ul style="list-style-type: none"> • Single Sign-On (SSO) Integration Capability 	<ul style="list-style-type: none"> • Restriction of Basic Authentication Protocols
<ul style="list-style-type: none"> • Role-Based Access Control (RBAC) 	<ul style="list-style-type: none"> • Secure Client Password Policies
<ul style="list-style-type: none"> • OAuth2 Login for Migration (Google & Microsoft) 	<ul style="list-style-type: none"> • Suspicious Login / Intrusion Reporting
<ul style="list-style-type: none"> • App-Specific Passwords (POP/IMAP/SMTP) 	<ul style="list-style-type: none"> • IP Trace & Email Location Tracking
<ul style="list-style-type: none"> • Dual Authentication / XCODE Layer 	<ul style="list-style-type: none"> • Admin-Defined Session Timeout & Secure Logout
<ul style="list-style-type: none"> • Secure Page Additional Authentication 	<ul style="list-style-type: none"> • Push Notification System

4.2 Encryption & Secure Communication

<ul style="list-style-type: none"> • TLS/SSL Encryption (In Transit) 	<ul style="list-style-type: none"> • Full PGP / OpenPGP Email Encryption (RSA Key Pair, Encrypt/Decrypt)
<ul style="list-style-type: none"> • HTTPS Secure Webmail 	<ul style="list-style-type: none"> • Detached & Clear-Signed Messages
<ul style="list-style-type: none"> • Digital Signature Support 	<ul style="list-style-type: none"> • Password-Based Encryption (PBE)
<ul style="list-style-type: none"> • PKI Integration Capability 	<ul style="list-style-type: none"> • PGP Key Upload & Key Ring Management
<ul style="list-style-type: none"> • DKIM Support • Encrypted Communication Framework 	<ul style="list-style-type: none"> • Passphrase Management • MIME-Level PGP Parsing

4.3 Threat Protection & Governance

<ul style="list-style-type: none"> • Integration with any Anti-Spam Engine 	<ul style="list-style-type: none"> • Email Security Gateway Integration Capability
<ul style="list-style-type: none"> • Attachment File Type Blocking 	<ul style="list-style-type: none"> • Antivirus Alert Customization
<ul style="list-style-type: none"> • Rights Management Controls 	<ul style="list-style-type: none"> • Login Policy Enforcement Panel • Spam Engine Configuration Panel

DATA SOVEREIGNTY & COMPLIANCE

XgenPlus ensures 100% data residency within customer infrastructure.

<ul style="list-style-type: none"> • 100% Data Residency within Customer Infrastructure 	<ul style="list-style-type: none"> • Policy Enforcement Engine
<ul style="list-style-type: none"> • Auto Discovery Support for auto configuration 	<ul style="list-style-type: none"> • Centralized Audit Logs
<ul style="list-style-type: none"> • Legal Hold Capability 	<ul style="list-style-type: none"> • Log Consolidation Across Distributed Servers
<ul style="list-style-type: none"> • Administrative Change Tracking 	<ul style="list-style-type: none"> • Archival Integration

BACKUP, ARCHIVAL & RECOVERY

<ul style="list-style-type: none"> Built-in Granular Replication 	<ul style="list-style-type: none"> Indexed Archival Search
<ul style="list-style-type: none"> Real-Time & Scheduled Backup 	<ul style="list-style-type: none"> Multi-Folder Search
<ul style="list-style-type: none"> Single Mailbox Restore 	<ul style="list-style-type: none"> Backup Storage Volume Management
<ul style="list-style-type: none"> Cross-Mailbox Migration 	<ul style="list-style-type: none"> Storage Lifecycle Policy Management
<ul style="list-style-type: none"> User-Level Restore (Within Defined Retention Period) 	<ul style="list-style-type: none"> Attachment De-Duplication (Single Instance Storage)
<ul style="list-style-type: none"> Server-Side Built-In Archiving 	<ul style="list-style-type: none"> Archive Reports
<ul style="list-style-type: none"> Search & Restore Deleted Email from Archival 	<ul style="list-style-type: none"> Enable / Disable Folders for Sync on IMAP

ADMINISTRATION & CONTROL

Admin Console	<ul style="list-style-type: none"> Centralized Web-Based Admin Console CLI Management Support Dashboard-Based System Monitoring Mail Flow Statistics & Reporting (Top Sender/Receiver, Login History, Mail Logs) System Services Start/Stop Panel DB Monitoring (Postgres Health & Locks) • Query Optimization Panel One-Click Admin Operations Shoutbox (Global Announcement Panel)
User Lifecycle	<ul style="list-style-type: none"> User Lifecycle Management • Zero-Touch Provisioning Capability Bulk User Provisioning • Bulk CSV User Add Bulk CSV Alias Add • Bulk Attribute Upload • Bulk Group Update Merge Accounts • Email ID Rename Department-Based & Designation-Based Mail ID Creation Alias Creation (Including Multilingual / Script Support) First-Login Tour / Guide for New Users
Policy & Controls	<ul style="list-style-type: none"> Policy-Based Mailbox Controls • Multi-Domain Management Storage Quota Enforcement Disclaimer & Organization Signature Policy Mobile Device Access Logs • Mobile Email Data Remote Wipe Capability Welcome / Footer / Custom Notification Templates Admin-Defined Session Timeout & Secure Logout
Reporting & Analytics	<ul style="list-style-type: none"> Graphical Reports & Charts Dashboard Traffic Analysis (SMTP / POP / IMAP / HTTP) Service Usage Reports • Storage Utilization Reports Login & Password Change Log Export (Excel) Age Analysis Reporting

MOBILITY & ENDPOINT SUPPORT

<ul style="list-style-type: none"> • Native OEM Mobile Application (Android & iOS) for users & admin 	<ul style="list-style-type: none"> • Full IMAP / POP / SMTP Support
<ul style="list-style-type: none"> • Custom Branded Mobile Application (Optional) 	<ul style="list-style-type: none"> • Folder Structure Synchronization
<ul style="list-style-type: none"> • Secure Push Mail 	<ul style="list-style-type: none"> • Device’s Management • Mobile Synchronization Controls
<ul style="list-style-type: none"> • Offline Access Support on Mobile & Desktop Clients 	<ul style="list-style-type: none"> • Mobile Device Access Logs • Remote Wipe Capability of Email Data

INTERNATIONALIZATION & EAI / IDN READINESS

Inclusive Digital Communication for Every Indian Language

- Full Universal Acceptance (UA) Compliance
- Email Address Internationalization (EAI)
- Internationalized Domain Names (IDN)
- Email ID Creation in All 22 Official Indian Languages
- Email ID creation in International Languages
- Multilingual Interface
- Unicode-Compatible Mail Processing
- SMTPUTF8 Support (RFC 6531, 6532, 6533)
- Backward Compatibility with ASCII Systems
- UA Self-Certification Compliance Framework
- Unicode Header & Display Name Support

COLLABORATION & UNIQUE CAPABILITIES

<ul style="list-style-type: none"> • Steganography (Hidden Message in Images) 	<ul style="list-style-type: none"> • Backup Export / Import at User Level
<ul style="list-style-type: none"> • Virtual Storage Module 	<ul style="list-style-type: none"> • Inbox / Folder Delegation & Send-on-Behalf
<ul style="list-style-type: none"> • Attachment Preview Engine 	<ul style="list-style-type: none"> • Tags Management (Organizational Tagging System)
<ul style="list-style-type: none"> • Image Gallery View 	<ul style="list-style-type: none"> • User-Configurable Shared Contact / Calendar

UI, BRANDING & EXPERIENCE

<ul style="list-style-type: none"> • Dark Mode & Theme Selection 	<ul style="list-style-type: none"> • Tags Management (Organizational Tagging System)
<ul style="list-style-type: none"> • Multi-Color Palette Engine 	<ul style="list-style-type: none"> • User-Configurable Settings
<ul style="list-style-type: none"> • OS Auto Dark Mode Detection 	<ul style="list-style-type: none"> • First-Login Tour / Guide for New Users
<ul style="list-style-type: none"> • Domain-Level Theme Configuration 	<ul style="list-style-type: none"> • Multi-Language Webmail Interface

ADVANCED ENTERPRISE CAPABILITIES

<ul style="list-style-type: none"> • Multi-Tenant Deployment 	<ul style="list-style-type: none"> • Virtualization Support • Linux Platform Support
<ul style="list-style-type: none"> • Multi-Tier Architecture 	<ul style="list-style-type: none"> • High Availability Clustering
<ul style="list-style-type: none"> • Full REST API Suite (User, Mail, Calendar, Admin) 	<ul style="list-style-type: none"> • Distributed Messaging Subsystems
<ul style="list-style-type: none"> • SOAP API Support 	<ul style="list-style-type: none"> • Attendance Tracking with Location Map
<ul style="list-style-type: none"> • Support / Integration APIs 	<ul style="list-style-type: none"> • Lead / CRM Module
<ul style="list-style-type: none"> • Integration with External Applications 	<ul style="list-style-type: none"> • Calendar & Contact
<ul style="list-style-type: none"> • Domain Registration Integration 	<ul style="list-style-type: none"> • API Availability for Integration
<ul style="list-style-type: none"> • Addon Services & Billing Engine 	<ul style="list-style-type: none"> • Administration & Logging capabilities

TECHNICAL SPECIFICATIONS

Operating System	<ul style="list-style-type: none"> • Enterprise Linux Distributions • Virtualized Environments
Protocols	<ul style="list-style-type: none"> • SMTP • IMAP • POP3 • HTTPS • WEBMAIL
Database	<ul style="list-style-type: none"> • Enterprise-Grade RDBMS
Architecture	<ul style="list-style-type: none"> • Multi-Tier • Scalable • High-Availability Ready
API Support	<ul style="list-style-type: none"> • REST API Suite • SOAP API • Support & Integration APIs
Scalability	<ul style="list-style-type: none"> • Designed for Large User Base Deployments • 99.9%+ Availability Architecture • Horizontal & Vertical Scaling • Role-Based Service Segmentation • Distributed Load Handling

OEM DECLARATION

XgenPlus — Enterprise Edition (Version 27)

is developed, maintained, and supported by:

Data Ingenious Global Limited

Station Road, Durgapura, Jaipur — 302018, Rajasthan, India

The specifications above represent standard enterprise-grade capabilities of XgenPlus Enterprise Edition under OEM Part Codes **XPENTE27** and **XPENTES27**.