

CyberSecure AI Product Specifications and Sector-Specific Infrastructure Recommendations

Product Specifications Based on CyberSecure AI Solutions

Core Product Offerings by Package

Package	Components	Target Audience	Price Range
CyberSecure Essential	·CyberSecure AI Core Platform·Automated Incident Response (basic playbooks)·Threat Detection System·Compliance Automation·Cat6A Structured Cabling System·Basic Network Cabinet with Lock-Patch Panels and Cable Management·Entry-level Access Control	Small K-12 schools, small municipal offices	\$25,000-\$40,000
CyberSecure Advanced	·CyberSecure AI Core Platform·Advanced Automated Incident Response·Threat Detection with AI Analysis·Predictive Risk Analysis·Comprehensive Compliance Automation·24/7 Monitoring and Vulnerability Management·Cat6A Shielded Cabling System·Fiber Optic Backbone·Advanced Network Cabinets·Security Camera Infrastructure·Intermediate Access Control System	Mid-sized school districts, colleges, city governments	\$50,000-\$80,000
CyberSecure Enterprise	·CyberSecure AI Core Platform (unlimited users)·Enterprise Automated Incident Response·Advanced Threat Detection with ML·Predictive Risk Analysis with customized models·Comprehensive Compliance Automation·24/7 Monitoring·Security Awareness Training·Custom Integration Framework·Campus-wide Cat6A Shielded Cabling·Redundant Fiber Optic Backbone·High-Security Network Cabinets·Comprehensive Security Camera Infrastructure·Advanced Access Control System	Large universities, state education departments, federal agencies	\$100,000-\$250,000
Custom Government Package	·FedRAMP/FISMA compliant solutions·DCMA compliance frameworks·NIST 800-53 control mapping·Federal contract-specific security requirements·Sole source contract support·Custom hardware and cloud configurations	Specialized federal requirements (DCMA, FedRAMP)	Contact for pricing

Hardware Security Module (HSM) Integration Specifications

Package Level	Recommended HSM Solution	Specifications	Price Range	Integration Benefits
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CyberSecure Essential	YubiHSM 2	·FIPS 140-2 Level 3 validated·16 concurrent connections·RSA, ECC, ECDSA algorithms·Hardware-based key protection·USB form factor	\$650-\$900(included in package)	·Cost-effective hardware security·Simple deployment·Key protection for small institutions·Compatible with basic compliance requirements
CyberSecure Advanced	Thales Luna Network HSM	·FIPS 140-2 Level 3 certified·1000+ RSA ops/second·Built-in backup capabilities·Clustering support·Network appliance	\$15,000-\$25,000(included in package)	·Scalable key management·High-performance cryptographic operations·Enhanced compliance capabilities·Support for city governments
CyberSecure Enterprise	AWS Cloud HSM + Thales Luna HSM	·FIPS 140-2 Level 3 compliance·High availability cluster·Hybrid cloud/on-premises deployment·24/7 managed HSM service·FedRAMP certified cloud integration	\$30,000-\$45,000(included in package)	·Enterprise-grade key management·Hybrid deployment flexibility·Maximum regulatory compliance·Federal agency readiness
Custom Government Package	Dedicated FIPS 140-3 Validated HSM	·FIPS 140-3 validated·Tamper-evident seals·Physical hardware isolation·Custom key ceremony support·Air-gapped deployment options	Custom	·Meets specialized federal requirements·DCMA compliance·Highest level of cryptographic assurance·Custom deployment options

Authentication Hardware Integration

Package Level	Recommended Solution	Specifications	Price Range	Integration Benefits
CyberSecure Essential	YubiKey 5 Series	·FIDO2/WebAuthn compliant·NFC capability·Multi-protocol support·Physical authentication device·10 keys included	\$2,000-\$3,500(included in package)	·Phishing-resistant MFA·Easy deployment·Support for passwordless authentication·Improved security posture
CyberSecure Advanced	YubiKey 5 Series + Okta IAM	·FIDO2 implementation·Cloud-based IAM	\$5,000-\$8,000(included in package)	·Centralized identity management·Enhanced user experience·Comprehensive

		integration-Single sign-on capabilities-Role-based access control-25 keys included		authentication logs-Streamlined user provisioning
CyberSecure Enterprise	Complete Biometric + YubiKey System	·Fingerprint scanners·Facial recognition integration-Hardware security keys-Advanced identity verification-100+ keys included	\$10,000-\$18,000(included in package)	·Multi-layered authentication·Enterprise-wide identity management-Comprehensive audit trails-Highest security assurance

Network Security Hardware Integration

Package Level	Recommended Solution	Specifications	Price Range	Integration Benefits
CyberSecure Essential	Basic Network Security	·Cat6A Structured Cabling-Basic Network Cabinet with Lock-Patch Panels and Cable Management-Entry-level Access Control	\$3,800-\$6,500(included in package)	·Foundation for secure networking-Physical security controls-Basic infrastructure protection-Cost-effective solution
CyberSecure Advanced	Cisco Firepower 2130 + Enhanced Infrastructure	·Next-Gen Firewall-IPS capabilities-Cat6A Shielded Cabling System-Fiber Optic Backbone-Advanced Network Cabinets-Security Camera Infrastructure	\$35,000-\$55,000(included in package)	·Real-time threat detection-Enhanced perimeter security-Comprehensive infrastructure-Campus-wide protection
CyberSecure Enterprise	Palo Alto PA-5220 + F5 BIG-IP ASM + Advanced Infrastructure	·Enterprise-grade firewall-Web application firewall-DDoS protection-Campus-wide Cat6A Shielded Cabling-Redundant Fiber Optic Backbone-High-Security Network Cabinets-Comprehensive Security Camera Infrastructure-Advanced Access Control	\$90,000-\$140,000(included in package)	·Deep packet inspection-Advanced threat prevention-Application-layer protection-Enterprise-grade security posture-Complete physical security

Threat Intelligence Integration

Package Level	Recommended Solution	Specifications	Price Range	Integration Benefits
CyberSecure Essential	VirusTotal API + AlienVault OTX	·Basic threat intelligence·Malware analysis capabilities·Open source threat data·API integration with core platform	\$3,000-\$5,000(included in package)	·Enhanced threat detection·Malware protection·Community threat intelligence·Cost-effective solution
CyberSecure Advanced	VirusTotal + MISP + Enhanced Analytics	·Advanced threat intelligence·Threat sharing platform·Custom integration with AI engine·Sector-specific threat feeds	\$5,000-\$8,000(included in package)	·Comprehensive threat intelligence·Education-specific threat data·Enhanced analytical capabilities·Improved threat detection
CyberSecure Enterprise	CrowdStrike + IBM X-Force + Full Integration	·Enterprise-grade threat intelligence·Advanced behavioral analytics·Government-focused threat feeds·Custom integration with AI models·Real-time threat response	\$12,000-\$20,000(included in package)	·Premium threat intelligence·Advanced behavioral analytics·Nation-state threat coverage·Comprehensive protection·Federal-grade security

SIEM Integration and Security Monitoring

Package Level	Recommended Solution	Specifications	Price Range	Integration Benefits
CyberSecure Essential	Basic Security Monitoring	·24/5 security monitoring·Automated alert processing·Essential security dashboards·Quarterly security reviews	\$2,200-\$3,500(included in package)	·Fundamental security visibility·Critical alert management·Basic compliance reporting·Cost-effective monitoring
CyberSecure Advanced	Enhanced SIEM + 24/7 Monitoring	·24/7 security monitoring·Advanced correlation rules·Custom dashboards·Dedicated security analyst·Monthly security reviews	\$5,000-\$7,000(included in package)	·Comprehensive security visibility·Enhanced threat detection·Advanced compliance reporting·Dedicated security support
CyberSecure Enterprise	Enterprise SIEM (Splunk/LogRhythm) + SOC	·24/7/365 SOC monitoring·Enterprise SIEM platform·AI-enhanced analytics·Custom	\$10,000-\$18,000(included in package)	·Enterprise-grade monitoring·Advanced threat hunting·Comprehensive compliance·Executive

		playbooks·Advanced reporting·Threat hunting		reporting·Federal-grade security operations
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Managed IT Support Services

Service Level	Components	Target Audience	Price Range
Basic IT Support	·System Administration for 25+ users·Workstation management (Windows 11 Pro)·Basic performance monitoring·OS patch management·Standard help desk support (business hours)·Monthly security reviews	Small educational institutions, small government offices	\$2,000-\$4,000/month
Advanced IT Support	·System Administration for 100+ users·Comprehensive workstation management·Advanced performance monitoring·OS and application patch management·Active Directory and Exchange maintenance·License and asset management·Enhanced help desk support (extended hours)·Dedicated technical account manager·Monthly security reviews	Mid-sized school districts, colleges, municipal governments	\$5,000-\$9,000/month
Premium IT Support	·System Administration for enterprise environments·Complete workstation and server management·Comprehensive performance monitoring and optimization·Advanced OS and application management·Complete Active Directory and Exchange administration·Strategic license and asset management·24/7 premium help desk support·On-site technical support·Weekly security reviews·Strategic IT planning	Large universities, state education departments, federal agencies	\$10,000-\$20,000/month

Security Add-on Services

Service	Description	Price Range
Secure Server Room Kit	Complete infrastructure for a physically secure server environment including specialized cabling, access control, and monitoring	\$15,000-\$30,000
Multi-Factor Authentication Hardware	Physical security tokens and biometric readers with supporting infrastructure	\$5,000-\$15,000
Network Segmentation Bundle	Physical infrastructure to support secure network zones with specialized cabling and patch panels	\$10,000-\$25,000
Disaster Recovery Infrastructure	Redundant cabling systems and hardware for business continuity	\$20,000-\$40,000
Advanced Security Assessment	Comprehensive evaluation of security posture with detailed remediation plan	\$8,000-\$25,000
Penetration Testing	Thorough security testing to identify vulnerabilities before they can be exploited	\$15,000-\$30,000

Sector-Specific Configurations

K-12 Education Recommended Configuration

For small to medium-sized K-12 institutions, we recommend the CyberSecure Essential package with:

- YubiHSM 2 for cost-effective key protection
- YubiKey 5 Series (10 keys) for administrator authentication
- Basic Network Security infrastructure
- VirusTotal API + AlienVault OTX threat intelligence
- Basic Security Monitoring with FERPA compliance focus
- CIPA-compliant web filtering and monitoring
- Classroom device management for 1:1 programs
- Student data protection controls
- Age-appropriate security awareness training

Higher Education Recommended Configuration

For colleges and universities, we recommend the CyberSecure Advanced or Enterprise packages with:

- Thales Luna Network HSM for scalable key management
- YubiKey 5 Series + Okta IAM for comprehensive identity management
- Cisco Firepower 2130 + Enhanced Infrastructure for campus-wide protection
- Enhanced SIEM + 24/7 Monitoring with research data protection capabilities
- Research network security partitioning
- BYOD security management for campus environments
- Integration with student information systems
- Specialized security for learning management systems

Municipal Government Recommended Configuration

For city and local governments, we recommend the CyberSecure Advanced package with:

- Thales Luna Network HSM for secure key management
- YubiKey 5 Series + Okta IAM for strong authentication
- Cisco Firepower 2130 for threat prevention
- Enhanced SIEM with monthly reviews
- Public records management security
- Citizen data protection controls
- Inter-department secure data sharing
- Public-facing service protection

State/Federal Government Recommended Configuration

For state and federal agencies, we recommend the CyberSecure Enterprise or Custom Government packages with:

- AWS Cloud HSM + Thales Luna HSM for hybrid deployment flexibility
- Complete Biometric + YubiKey System for multi-layered authentication
- Palo Alto PA-5220 + F5 BIG-IP ASM + Advanced Infrastructure for comprehensive security
- CrowdStrike + IBM X-Force threat intelligence for government-focused protection
- Enterprise SIEM with SOC for 24/7/365 monitoring and FedRAMP compliance
- Zero Trust Architecture implementation
- FISMA and FedRAMP compliance frameworks
- Executive Order compliance support
- Critical infrastructure protection

Email and Infrastructure Systems by Sector

K-12 Education

Email Systems

- **Google Workspace for Education:** Dominant platform in K-12, with approximately 70% market share due to cost-effectiveness and ease of use
- **Microsoft 365 Education:** Growing presence, especially in districts with existing Microsoft infrastructure
- **Self-hosted solutions:** Declining but still present in some budget-constrained districts

Infrastructure Systems

- **Google Chromebooks:** Dominant device platform for 1:1 programs
- **Microsoft Azure:** Growing adoption for hybrid cloud infrastructure
- **Amazon Web Services (AWS):** Used for specialized applications and data storage
- **On-premises Windows Server:** Still common for core infrastructure and Active Directory
- **Canvas LMS:** Leading learning management system
- **PowerSchool:** Widespread student information system

Higher Education

Email Systems

- **Microsoft 365:** Leading platform, especially for staff and faculty
- **Google Workspace for Education:** Strong presence, often used for students
- **Self-hosted Exchange:** Still used by some institutions with legacy investments

Infrastructure Systems

- **Microsoft Azure:** Primary cloud platform for many institutions
- **Amazon Web Services (AWS):** Strong presence, especially for research computing
- **On-premises data centers:** Still significant for research and specialized workloads
- **VMware virtualization:** Common for on-premises infrastructure
- **Canvas/Blackboard LMS:** Dominant learning management systems
- **Ellucian/Banner/Workday:** Common enterprise resource planning systems

Municipal/County Government

Email Systems

- **Microsoft Exchange/Office 365:** Dominant platform (80%+ market share)
- **Google Workspace:** Growing adoption in cost-conscious municipalities
- **Self-hosted Exchange:** Still present in some agencies with privacy concerns

Infrastructure Systems

- **Microsoft Windows Server:** Backbone of most municipal IT environments
- **Microsoft Azure:** Primary cloud migration path
- **Cisco networking:** Dominant networking infrastructure
- **Hybrid cloud models:** Increasingly common for flexibility and cost management
- **Tyler Technologies:** Common for financial management, record-keeping
- **ESRI GIS systems:** Standard for geographical information systems

State Government

Email Systems

- **Microsoft Exchange/Office 365 Government:** Overwhelming market leader
- **Self-hosted Exchange:** Maintained for certain sensitive departments
- **Specialized secure email systems:** Used for certain high-security functions

Infrastructure Systems

- **Microsoft Azure Government:** Leading cloud platform for state agencies
- **State-owned data centers:** Still substantial for core systems
- **IBM mainframes:** Still in use for legacy applications in many states
- **VMware virtualization:** Standard for on-premises infrastructure
- **Cisco/Juniper:** Primary networking infrastructure
- **SAP/Oracle/PeopleSoft:** Common enterprise systems

Federal Government

Email Systems

- **Microsoft Office 365 Government Community Cloud (GCC/GCC High):** Standard for most agencies
- **Department-specific email systems:** Used for defense and intelligence agencies
- **Self-hosted secure Exchange:** Maintained for sensitive operations

Infrastructure Systems

- **AWS GovCloud:** FedRAMP-compliant cloud for sensitive workloads
- **Microsoft Azure Government:** Widely used for cloud transformation
- **Google Cloud for Government:** Growing presence in certain agencies
- **Agency data centers:** Maintained for classified and sensitive systems
- **Oracle Cloud Infrastructure:** Used for specific government applications
- **Specialized secure networks:** For classified information (SIPRNet, JWICS, etc.)

Note: These infrastructure trends represent general patterns across sectors. Individual organizations may vary based on specific requirements, legacy investments, and security considerations. CyberSecure AI solutions are designed to integrate with all of these platforms while enhancing security and compliance capabilities.