ON-PREMISES	AZURE Security Services — Free	AZURE Security Services — Paid	3rd Party AZURE Marketplace	Integration with related AZURE Services and Monitoring Tools			Key Security Features
Firewall & ACLs	Network Security Groups	Azure Firewall $	✓	Azure Monitor	Azure Sentinel		L3/4 Firewall, build-in HA, supports Cloud Scalability & Threat Intel integration
IPS/IDS			✓				IPS/IDS functionality requires signature based detection and protection.
Web Application Firewall (WAF)		Azure Application Gateway $	✓	Azure Monitor	Azure Sentinel		OWASP rulesets. Protects up to 20 sites per instance
SIEM		Azure Sentinel $	✓	Log Analytics	Logic Apps	Events Hub	Cloud Native SIEM & Security Incident Orchestration
Antimalware	Microsoft Antimalware		✓	Azure Storage	Azure Security Center		Same platform as Microsoft Security Essentials (MSE), Windows Defender
Data Loss Prevention (DLP)		Azure Information Protection $	✓	Azure RMS	Azure AD	Azure Sentinel	Requires client installation and integrates with Office 365 Mail
Key Management		Azure Key Vault $	✓	Azure Disk Encryption	Azure App Service		Provides Certificate Management. Simplified overall management
Encryption At Rest		Azure Storage $	✓	Azure AD			Automatic encryption for data at rest via Azure SSE module
DDoS Protection	Azure DDoS		✓	Azure Monitor			Protect against volumetric attacks. Scalable on-demand
Email Protection		Office ATP $	✓	Azure AD	Azure Sentinel		Anti-phishing protection. Attack simulation (security user awareness)
SSL Decryption Reverse Proxy		Azure Application Gateway $	✓	Azure Monitor	Azure Sentinel		Autoscalling
Endpoint Protection		Azure Defender ATP $	✓	Azure AD	Azure Sentinel		Provides automated investigation. Office 365 integration
Certificate Management		Azure Key Vault $	✓	Azure Disk Encryption	Azure App Service		Certificate Management. Simplified Management
Container Security	Azure Kubernetes Service (AKS)			Azure AD	Azure Monitor		Supports Role Based Access Control (RBAC) SOC, PCI DSS, ISO and HIPPA compliant
Identity and Access Management		Azure Active Directory $		Azure Sentinel			Different license tiers. Provides IAM support Federated Identity support
Privileged Access Management (PAM)							
Multi-Factor Authentication (MFA)							
Centralized Logging / Auditing		Azure Log Analytics $		Azure Sentinel	Azure Monitor		Allow direct searches in the console AI integration
Governance Risk and Compliance Monitoring		Azure Security Center $	✓	Azure Sentinel	Azure SQL	Azure Monitor	Provide security compliance policies Advanced threat protection
Vulnerability Assessment							
Patch Management		Azure Automation $		Azure AD	Azure Monitor		Supports Role Based Access Control (RBAC) Configuration management tool
Change Management							
Load Balancer		Azure Load Balancer $	✓	Azure Monitor			On-demand scalable service Support port forwarding
LAN	Virtual Network						Integral part of Azure Service suites
WAN	Site-to-Site IPSec Tunnel	ExpressRoute $					ExpressRoute support dynamic routing ExpressRoute allow connectivity to all Azure regions
VPN	Point-to-Site VPN	Azure VPN Gateway $	✓	Azure Monitor			1.25Gb Aggregated max throughput, 1,000 IPsec tunnels, A-A or A-P, support partner gateways
Backup and Recovery		Azure Backup $		Azure Security Center	Azure AD		Built-in the Azure core, MFA support
CASB (Cloud Access Security Broker)		Cloud App Security $	✓	Azure Security Center	Azure AD		Analyze cloud app usage, visibility over Shadow IT, notifications about new discovered apps