

# Information Security

Dedicated to continually improve  
and enhance security at every level



# Protecting Your IP

Protecting your intellectual property is as important to us as it is to you. Amkor has invested in a focused cyber security team with a mission to continually monitor and improve our overall security and that of our customer interfacing systems.

Our cyber security program is based on the SANS20 framework to identify risks and enhance security at every level, from end user devices to global networks and data centers. Because Amkor takes cyber security seriously, this is one area that we are investing in heavily – now and in the future, to further strengthen our security program.

## Key Elements

Amkor Technology provides an extensive range of information security capabilities to all members of the Amkor global community.



## Infrastructure Protection



## End User Protection



Dedicated Information  
Security Team



## Add-On Services





# Strengthening Cyber Security

## Infrastructure Protection

### Physical Security

- ▶ CCTV: 24/7/365 monitored areas
- ▶ 24/7 Security hotline
- ▶ Badge and RFID controls to all gates, turnstiles & doors
- ▶ Metal detectors and physical pat-downs

### Key Infrastructure Protection

- ▶ Privileged access management for all admin accounts
- ▶ Firewalls and IDS for every factory egress point

### Perimeter Security

- ▶ Monitored & controlled DMZ
- ▶ Managed FTPS
- ▶ URL filtering

### Network Infrastructure

- ▶ SFTP
- ▶ Private MPLS network across all factories
- ▶ Wireless LAN guest access controls
- ▶ VLAN segregation
- ▶ 2F VPN

### Data Centers

- ▶ Controlled and monitored physical access
- ▶ CCTV: 24/7/365 monitored areas
- ▶ Firewall separation of datacenters

## Dedicated Information Security Team

### Security Organization

- ▶ Global Information Security team led by CISO
- ▶ Global security program based on SANS20 framework
- ▶ Global Information Security policies and procedures
- ▶ Designated Information Security leader and incident response team at each site
- ▶ Continued investment in enhancing cyber security
- ▶ Global SIEM

### Regulatory Compliance

- ▶ Sarbanes Oxley and ITAR

### Customer Compliance

- ▶ Customer driven security audits
- ▶ Periodic security assessments

### Awards

- ▶ Recipient of CS050 2016 and 2017 Award by IDG Enterprise

## End User Protection

### Application Controls

- ▶ Quarterly account and access reviews for critical systems
- ▶ Access control lists

### End User Devices (PCs, Laptops)

- ▶ Next Gen anti-virus and malware protection
- ▶ Laptop whole disk encryption
- ▶ Mobile device management
- ▶ DRM for critical apps and data

### Email (O365) and Anti-phishing

- ▶ Anti-spam controls
- ▶ DLP Light for email (tagging, tracking based on keywords)
- ▶ Mail filtering

### End Users/Operators

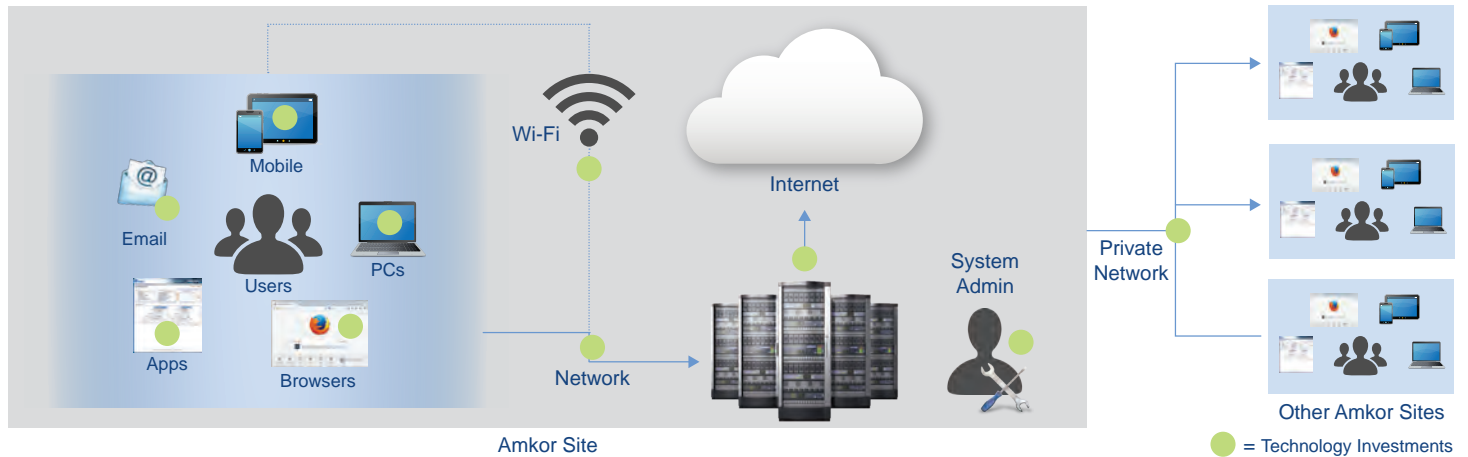
- ▶ Cyber Security Awareness training
- ▶ Global directory (Success Factors, Active Directory)
- ▶ Role based access controls
- ▶ RFID badge integration
- ▶ AD controlled access management
- ▶ Strong password policies
- ▶ Phish testing

## Add-On Services

### Customized Security Services for Additional Fees

- ▶ Access controlled and encrypted repositories
- ▶ DRM for critical documents
- ▶ Network isolated server rooms
- ▶ Dedicated circuits
- ▶ Dedicated firewalls
- ▶ Dedicated servers
- ▶ Dedicated SFTP server
- ▶ DLP tagging, tracking or blocking of email/files
- ▶ Customer specific partitioning on some systems

# Amkor Security Investments



## Notes:

1. Some variations may exist among different locations and not all services are replicated at all sites.
2. List includes current security features, Amkor continues to invest heavily in security with additional security controls being added. Relevant sections of the security roadmap can be shared in a face-to-face meeting.



Visit [amkor.com](http://amkor.com) or email [sales@amkor.com](mailto:sales@amkor.com) for more information.

With respect to the information in this document, Amkor makes no guarantee or warranty of its accuracy or that the use of such information will not infringe upon the intellectual rights of third parties. Amkor shall not be responsible for any loss or damage of whatever nature resulting from the use of, or reliance upon it and no patent or other license is implied hereby. This document does not in any way extend or modify Amkor's warranty on any product beyond that set forth in its standard terms and conditions of sale. Amkor reserves the right to make changes in its product and specifications at any time and without notice. The Amkor name and logo are registered trademarks of Amkor Technology, Inc. All other trademarks mentioned are property of their respective companies. © 2019 Amkor Technology Incorporated. All Rights Reserved. DS-IT102B Rev Date: 10/19

