Ricoh’s approach to device security

Security is in our DNA. Ricoh takes a layered approach to device security.
Ricoh takes a layered approach to device security. Our approach starts with each device being independently tested and verified against the IEEE or ISO 2600.2 standard.

We control our devices by having our own operating system, hard disk encryption and digitally signed firmware updates so that malware cannot be installed on our devices.

The next layer of security is our Ricoh user interface which has a custom kernel and no unnecessary modules. Root access is not available, minimising the possibility of mass market software infections and errors that cause problems.

Outside of the device, embedded applications are developed by third parties using Ricoh developer tool kits. These applications are then tested, certified and digitally signed by Ricoh. Our devices will not accept unsigned applications, preventing unknown malicious software gaining access.

Within the customer’s network environment we employ end-to-end encryption of scan and print files to avoid ‘man-in-the-middle’ attacks where information can be intercepted over a network. At the server level we offer file encryption and segregation of administrator roles.

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