

Current Applications and Emerging Technologies for Authenticating Payments, People and Products

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Much has been written about the unparalleled rise of smartphones and their place in society.

The unique approach of this new report is that it considers the impact of these life-changing devices from the perspective of the payment, authentication and traceability industry.

Smartphones are revolutionising the world of authentication and track and trace, thanks to their ubiquity, connectivity, and computing power, accelerating the move towards more standardised, universal authentication methods, and giving rise to technologies that simply didn't exist before.

Similarly, these attributes are enabling new platforms for payments and personal identification – not just for authentication purposes but also as alternatives or complements to physical cash and ID.

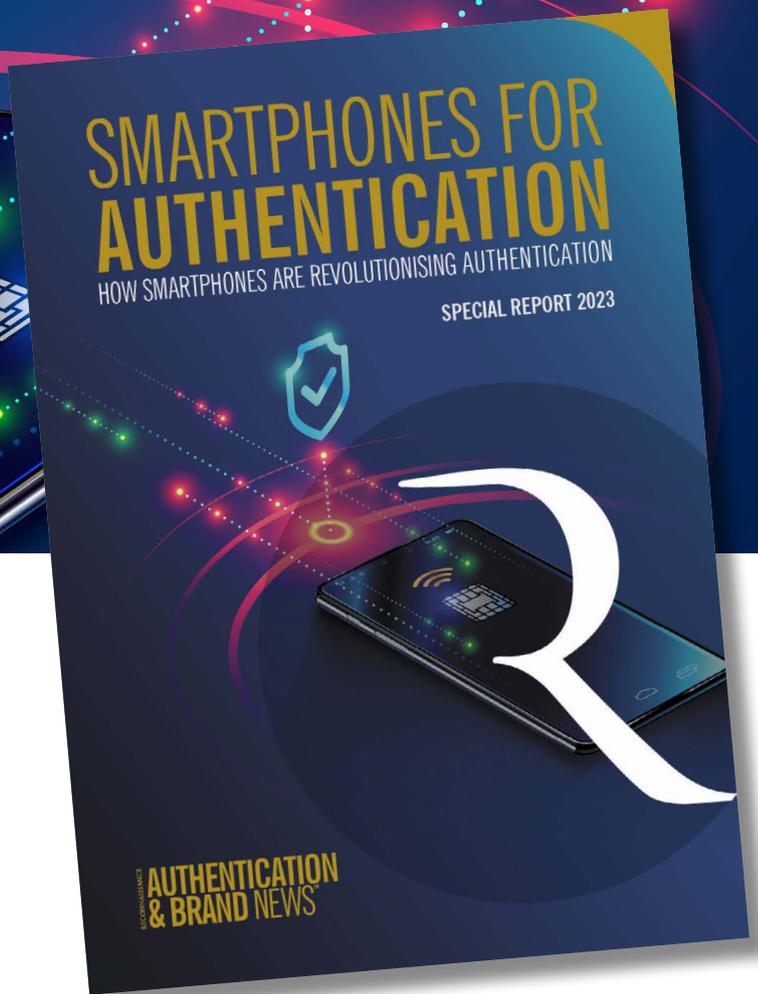
The 'Smartphones for Authentication' report summarises the wide range of technologies underpinning the role of smartphones in the authentication, identification and payment arenas, with the aim of identifying further opportunities... as well as potential drawbacks.

Such technologies comprise smartphone light sources, display screen attributes, biometric capabilities, fingerprint sensors, connectivity, and – of particular significance to authentication – camera systems.

The report explores the use of smartphones throughout the authentication ecosystem, with case studies on already established applications in currency and payments, personal identity, and product and document authentication.

The report also highlights emerging technologies – including the rise of artificial intelligence (AI) and the move towards wearable electronics and smart glasses – and their potential role as authentication devices of the future.

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- 60+ A4 pages
- The only publication to address current and future smartphone technologies for the authentication industry
- An opportunity for specialist companies to demonstrate their expertise in this field
- Brought to you by Reconnaissance International, publisher of Authentication & Brand News™, Cash & Payment News™, Currency News™, ID & Secure Document News™, and Tax Stamp & Traceability News™
- Written by Dr Alan Hodgson, expert in printing and imaging technologies, and Chair of the ISO Technical Committee for Photography

Demonstrate your expertise in smartphone technologies for authentication by advertising in this unique new special report.

Reach central banks, payment authorities, identity issuers, revenue authorities, security printers, technology and software developers, security feature suppliers and integrators, and share your capabilities for driving innovation in smartphone authentication.



*Smartphones
are already
revolutionising
authentication
markets but have the
potential to go further*

What's Inside

'Smartphones for Authentication' explores current and emerging technologies, opportunities and threats with regard to the role of smartphones in the authentication space.

- **The overall landscape around smartphones for authentication:** a political, economic, social and technical (PEST) analysis
- **Smartphone technology for secure applications:** light sources, display screen attributes, biometrics, fingerprint sensors, connectivity, camera systems
- **Implications of smartphones for security:** power, vulnerability, risks and benefits
- **Case studies:** effect on cash use, perspective on mobile identity, product and document authentication, reading printed codes on tax stamps, lessons from photography, lessons from the pandemic
- **Emerging technologies:** innovation in smartphone camera systems, emerging fingerprint technologies, distributed systems, 5G wireless networks, AI, wearable electronics
- **Asking the hard questions:** has decision making shifted too far for us? Are we creating an unprecedented target for cybercrime? What about product life cycles and development paths? Where will this technology lead?

This special report will be read by government agencies, payment authorities, specifiers of secure applications, security printers, integrators and digital systems developers.

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