

Smart Card

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A **Smart Card**, **Chip Card**, or **Integrated Circuit Card (ICC)** is a physical electronic authorization device, used to control access to a resource. It is typically a plastic credit card-sized card with an embedded integrated circuit (IC) chip.[1] Many smart cards include a pattern of metal contacts to electrically connect to the internal chip. Others are contactless, and some are both. Smart cards can provide personal identification, [authentication](#), data storage, and application processing. Applications include identification, financial, mobile phones ([SIM](#)), public transit, computer security, schools, and healthcare. Smart cards may provide strong security authentication for single sign-on (SSO) within organizations. Numerous nations have deployed smart cards throughout their populations.

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