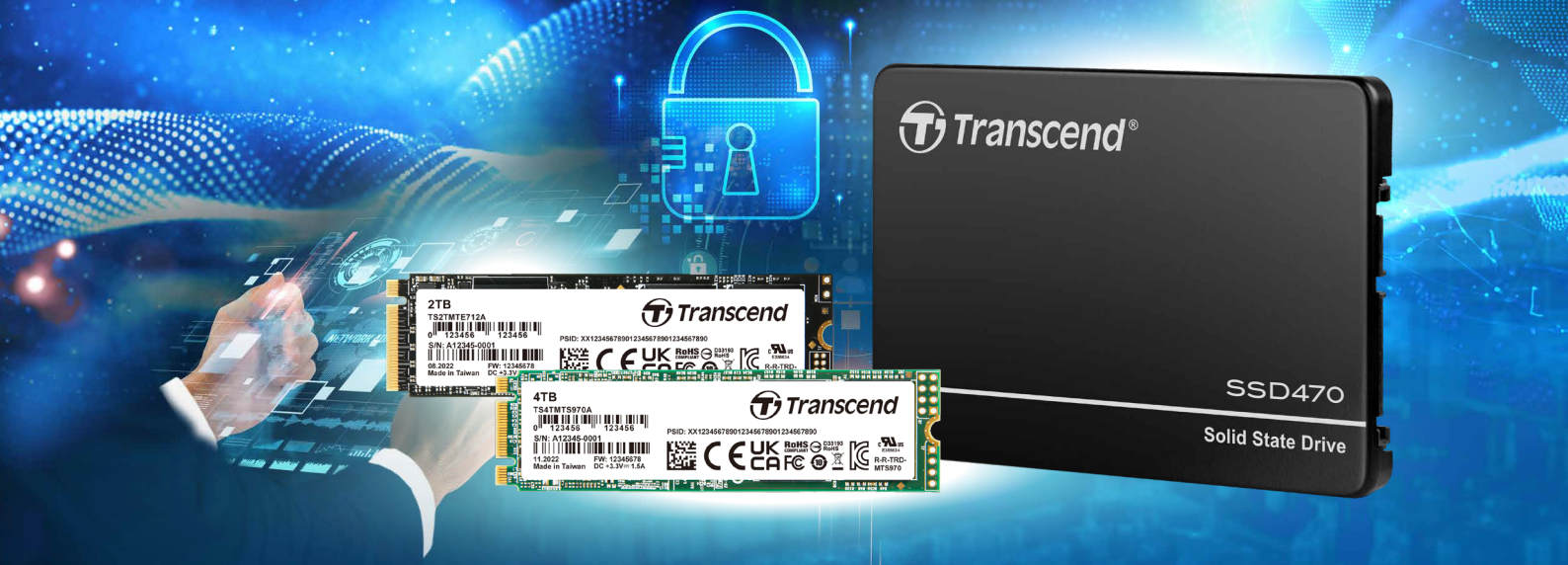
Transcend TCG Opal SSDs

Fortified Storage for Mission-Critical Operations

Transcend's industrial-grade TCG Opal SSDs are designed to meet the stringent security requirements in high-risk, high-compliance environments. With self-encrypting drive (SED) functionality, Transcend's SSDs are safeguarded by AES 256-bit hardware encryption. When paired with the TCG Opal Toolbox, device managers can configure LBA access control, pre-boot authentication (PBA), and PSID revert, thereby strengthening overall data security for mission-critical tasks.



Advanced security functions enabled with Transcend's self-developed OpalPro software:

Drive-to-host binding

If the SSD is physically moved to an unapproved host, it remains inaccessible.

IP address verification

If both the SSD and the host system are relocated together, access is blocked if the IP address is untrusted.

Featured Products

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M.2 2280 PCIe Gen4 x4

MTE712A

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