

ENHANCED SECURITY, HIGH SPEED PROCESSING

- Wide range of supported cards, contactless tickets as well as mobile phones
- Field proven in high throughput fare collection systems
- Compatible with EMV and PCI specifications

TRANSCITY™

OR500 CONTACTLESS READER



OR500

Contactless reader

OR 500 is part of the latest equipment series designed and manufactured by Thales. This OR 500 series is the fifth generation of ticketing card reader pursuing our 40 years' leadership in fare collection technology. The OR 500 series includes the sharpest innovation and improvement for a comprehensive fare collection management.

OR 500 is the core unit of every ticketing system using contactless technology and complies with single point of validation integration. It can be integrated in any greenfield project or as an upgrade in operating fare collection systems, either regional or nationwide.

OR 500 includes Thales state of the art :

- Field-proven technology: more than 100,000 readers of previous generations in operation
- Secure firmware upgrade to take new cards and new features into account
- Multi-application and many supported cards

OR 500 is specifically designed to combine high speed Moreover, this is the first Thales reader certified for EMV contactless card, opening a new era in the ticketing paradigm.

FEATURES

- Transaction speed up to 847 Kbits/s
- Antennas: up to 2 antennas
- Interface RS232 or USB 2.0
- Transaction speed: less than 250 ms (depending on the media type)
- NFC



TRANSCITY™ BV 600



TRANSCITY™ PG 410

SECURITY

- EL4+ certified controller
- DES, 3DES, AES hardware crypto controller
- RSA signature computation and verification
- 4 slots for SAM, supporting T=0, T=1, and Calypso protocol
- Secured EEPROM key storage
- Four SAM slots,
- PCI

APPLICABLE STANDARDS

- ISO/IEC 14443 Type A: Mifare Smart MX, NXP Mifare Desfire EV1 and EV2, Mifare Classic EV1, Mifare UltraLight-C, Mifare UltraLigth EV1
- ISO/IEC 14443 type B: CD21Rev32, CELEGO, ST25-TB-512, ST25TB512-AT
- Backward compatible with previous ISO/IEC 14443 type B and with B' cards
- FELICA: RC-SA00 and RC-SA01, RC-Light-S
- NFC: ISO/IEC 18092 and CEN TS 16794
- EMV specification: EMV lev1 and Lev 2 + payment schemes
- Communication: ETS 300-683, ETS 300-330
- Security: EN 60950
- Compatibility: 89/336/CEE