

## **Transport Ticketing**

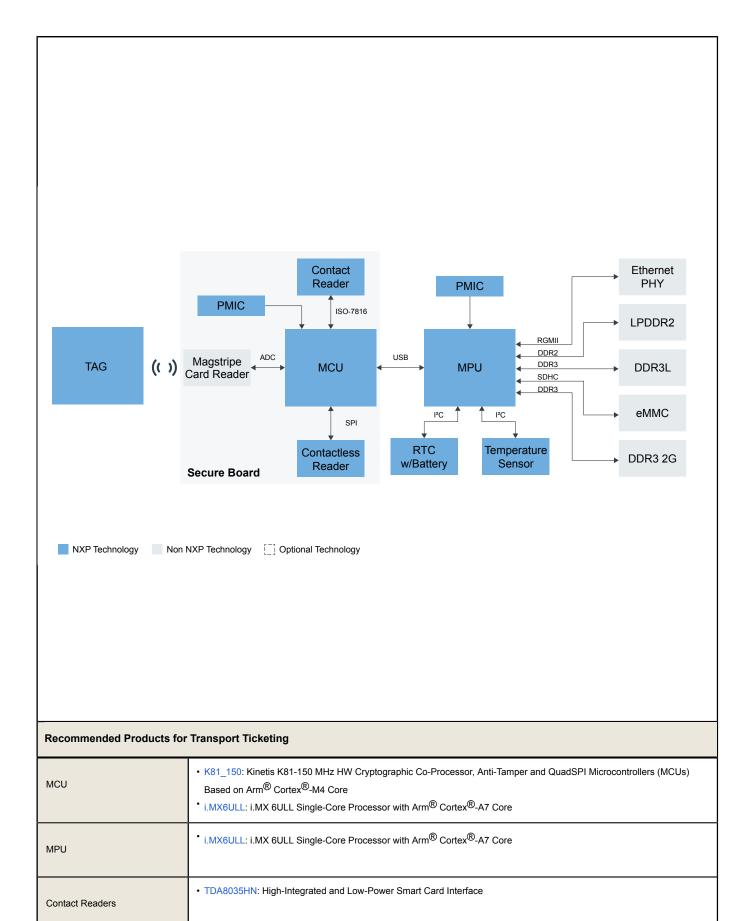
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NXP offers fast and secure solutions for access to, and payment in, public transport. These range from smart cards and ticket ICs to mobile and wearable applications.

Our secure RAIN RFID ICs support hands-free access in public transport, which makes it easier to get around without having to tap a card or ticket to a reader.

Transport barrier systems can validate tickets and also take contactless payment from credit cards and mobile phones. These systems maintain a database of all transactions including a local copy kept in the machine and a copy uploaded to a central database.

**Transport Ticketing Block Diagram** 



RTC W/Battery	PCF85263A: Tiny Real-Time Clock/Calendar with Alarm Function, Battery Switch-Over, Time Stamp Input and I <sup>2</sup> C-Bus
TAG	MIFARE DESFire: MIFARE® DESFire®  MIFARE Plus: MIFARE Plus®  SL3S5002N0FUD: UCODE® DNA: UHF Tag IC for Secure Authentication
Readers	PN5180: Full NFC Forum-Compliant Frontend IC
Temperature Sensor	P3T1035xUK: I3C, I²C-Bus, ±0.5 °C Accuracy, Digital Temperature Sensor  P3T2030xUK: I3C, I²C-Bus, 2.0 °C Accuracy, Digital Temperature Sensor  PCF85263A: Tiny Real-Time Clock/Calendar with Alarm Function, Battery Switch-Over, Time Stamp Input and I²C-Bus
PMIC	PCA9460: 13-Channel Power Management Integrated Circuit (PMIC) for Ultra Low Power Application     PF1510: Power Management Integrated Circuit (PMIC) for Low Power Application Processors

View our complete solution for Transport Ticketing.

Note: The information on this document is subject to change without notice.

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