



BLUE BAMBOO

simple. reliable. affordable.

ABOUT The High Speed Train

China Railway High-speed (CRH) is the high-speed rail service operated by China Railway. All high-speed trains in commercial use in China and introduced to the world lately are expected to have a maximum speed of 487.3 km/h 302.8 mph).

THE CHALLENGE

More and more Citizens travel by train instead of taking aircraft in the past decade especially in short to mid distances. In order to improve service on train, POS system are introduced to the canteen car as well as the mobile stall which sells beverages and snacks to accept credit card and debit card transactions. With 3G/4G technology widely constructed across the country, it allows more and more cashless transactions to be occurred on-board.



THE SOLUTION

The CRH selected Blue Bamboo's P200 standalone terminal which certified by PCI PTS 3.0, EMV level 1 & 2, PBOC level 1 & 2 as the POS hardware. The P200 is deployed in canteen cars and kept by the stewards who sells beverage and snacks in passenger cars. The solution is developed by Blue Bamboo to meet PCI security restriction that mitigate the risk of sharing API and SDK to a third party solution providers. The App developed will be installed in the P200 itself and finalize transaction by itself.

Concerns

As the train moves too fast that the data signal will become unstable sometimes and the train will goes up in the mountain, tunnels where without data coverage at all. In order to tackle this issue. The App developed on P200 allows off-line transaction which will store customers transactions in P200 and upload data when arrives in the stations where data signal is available.

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