



Application Story

NISE Fanless Computer Embedded in Advanced Kiosks Advocates a Greener Paris

NEXCOM fanless computer NISE 2100A were embedded in electric car rental kiosks by the roadside to provide fast and convenient services to drivers in Paris and its outskirts. Summer or winter, rain or shine, these kiosks performed duties faithfully, complementing public transportation with a new mode of motoring.

By the roadside, two different kiosks took advantage of abundant I/O interfaces of versatile NISE 2100A to

provide subscription and rental services respectively. In the subscription service station, the kiosk guided drivers through registration process by allowing advisors from calling center to videochat with drivers, scan identity documents, offer package plans on touch screen, accept bank card payments, and issue membership cards equipped with RFID tags.

The kiosk standing in the open air, on the other hand,

helped drivers rent electric cars. It could read RFID tags, ask password validation on touch screen, indicate assigned electric cars, and offer prompt assistance from call center. By means of NEXCOM fanless computer, the service provider has successfully built up two types of multi-functional advanced kiosk that could get drivers behind the wheels within minutes and electric cars returned to any station.

By installing these advanced kiosks, the service provider established the car rental service yet curtailed operating expenses in terms of utilities, office expenses, leasing

commissions etc. Thanks to the fanless computer, these kiosks could work around the clock without maintenance and stop despite of road dust and outdoor humidity. More importantly, NISE 2100A designed to operate over a wide temperature range from -20°C~70°C (-4°F~158°F) was able to function properly as seasons changed.

Add to that, NEXCOM helped with verification of peripheral devices, ensuring these kiosks were properly configured to carry out all intended functions. Combining NEXCOM fanless computer NISE 2100A and NEXCOM technology supports, the service provider swiftly set up a service network comprised of hundreds of kiosks in Paris and 45 adjoining towns in six month's time.



▲ NISE 2100A

Intel® Atom™ D525 1.8GHz Fanless System with DDR3 SO-DIMM socket

In next few months, more NISE 2100A-embedded kiosks will be installed in more than a thousand service stations with the aim to provide an alternative to public transportation for millions of residents and tourists in need to commute between the megacity of Paris and the suburbs. Through the proliferation of the car rental service network, the value of NISE 2100A as a fanless computer intended for embedded applications is truly manifested.

About NEXCOM

NEXCOM International Co., LTD., an ISO-9001-certified company and a member of PICMG, PCI-SIG, and the Intel® Embedded Alliance, is at the forefront of the competition by offering OEM, ODM and OBM designs for products such as innovative blade servers; network security appliances; industrial and embedded PC products such as single board computers, embedded boards and systems; CompactPCI CPU boards; industrial-grade server boards; and customized platforms. Established in 1992, NEXCOM has since won several patents, awards, certifications for its high-quality products and service that meet international standards and worldwide customers' requirements. To serve its worldwide customers well, NEXCOM, headquartered in Taipei, Taiwan, has set up seven subsidiaries in the United States, the United Kingdom, France, Italy, Germany, China, Japan as well as distributors in the other parts of the world.