

QNX Success Story – AXS Station

AXS InfoComm Pte Ltd (“AXS”) of Singapore creates innovative solutions and applications that combine the convenience of a service delivery network with dynamic multimedia.

As part of its business, AXS develops an Electronic Service Delivery Network (ESDN), a platform that provides a comprehensive range of access points and portal connectors to a host of web services and e-applications in Singapore.

The AXS Station is a multi-application transactional terminal that comes with a debit card (NETS), stored value card (CashCard) and credit card payment facilities. It allows you to make local and international calls, send a SMS message, email a picture postcard of yourself, access info-on-demand, pay bills/fines, purchase a movie ticket and perform a whole range of transactions using a one-stop public access terminal. Running on a high-speed ADSL broadband network, it operates 24 hours a day and is installed at strategic and high traffic locations. With more than 200 machines island-wide, processing over \$14 million worth of transactions monthly, the AXS Station network has grown to be the largest public broadband transactional terminal network in Singapore.

To operate a 24x7 network of self service terminals deployed all over the country, AXS needed an operating system that would reliably manage the kiosks’ complicated

realtime functions. The company considered other operating systems, but only QNX met their requirements. “The last thing we want to see on a self service terminal is the Blue-Screen-of-Death”, said Mr. Eugene Chan, Chief Technology Officer, AXS.



Mr. Chan stated that when they were looking around for an embedded OS, there was no other OS that even came close to what QNX was offering. Not only in terms of its realtime performance and small footprint, but the main attraction was Photon. “This beautiful Windowing environment has just everything a GUI application needed, but without the fats of X-Windows. With its embedded nature, we were able to put our entire GUI application, with the OS and every required library into a 32MB partition, and with space to spare for daily logging and etc.” said, Mr. Chan.

We were very pleased that we selected QNX. The Photon feature allowed us to achieve our desired reliability levels, and enabled us to develop a very unique solution to handle hardware devices remotely through the use of embedded scripts in HTML codes.

AXS Station Interface



“To operate a 24x7 network of self service terminals deployed all over the country, we required a very robust OS.”

About AXS InfoComm Pte Ltd

AXS InfoComm Pte Ltd is the leading technology provider and operator of a Electronic Service Delivery Network ("ESDN") — the AXS Network — by providing a comprehensive range of access points and portal connectors to web services, e-applications and wireless applications in Singapore.

AXS InfoComm Pte Ltd was incorporated in March 2000 under the LKN-Primefield Group of companies. Its first product, the AXS Station, was rolled out in March 2001 and has ever since grown to form the largest public broadband transactional terminal network in Singapore.

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QUICK FACTS

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About QNX Software Systems

QNX Software Systems is the industry leader in realtime, microkernel OS technology. The inherently reliable and scalable QNX Neutrino® RTOS and powerful QNX Momentics® development suite together provide the most trusted foundation for embedded systems in the networking, automotive, medical and industrial markets. Global leaders such as Cisco, Delphi, Siemens, Texaco, and Ford depend on QNX technology for network routers, medical devices, intelligent transportation systems, safety and security systems, next-generation robotics, and other mission- or life-critical applications. Founded in 1980, QNX Software Systems is headquartered in Ottawa, Canada, and distributes its products in more than 100 countries worldwide.



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