



# Metamorphosis

## Strategic Innovation

**Xpay** offers a wide variety of payment methods, from **cash** to cashless, from **Credit** card to **Customized Xcards**.



**Xcash** is manned by a cashier to handle cash payments and to issue or renew tickets or cards.



**Xlane** is installed at entrances, exits or transits of TCP/IP based parking systems managed by **Xparc**.

The revolutionary look allows for an **ergonomic integration** in any site.



**Xoffice** connects all **TCP/IP** based terminals or auxiliary devices and offers a user friendly and **web based** management system.



**Xlane** can manage barrier gates with either standard I/O connectivity or a serial interface. The flexibility of **Xparc** assures that the optimal choice can be made for each specific project.



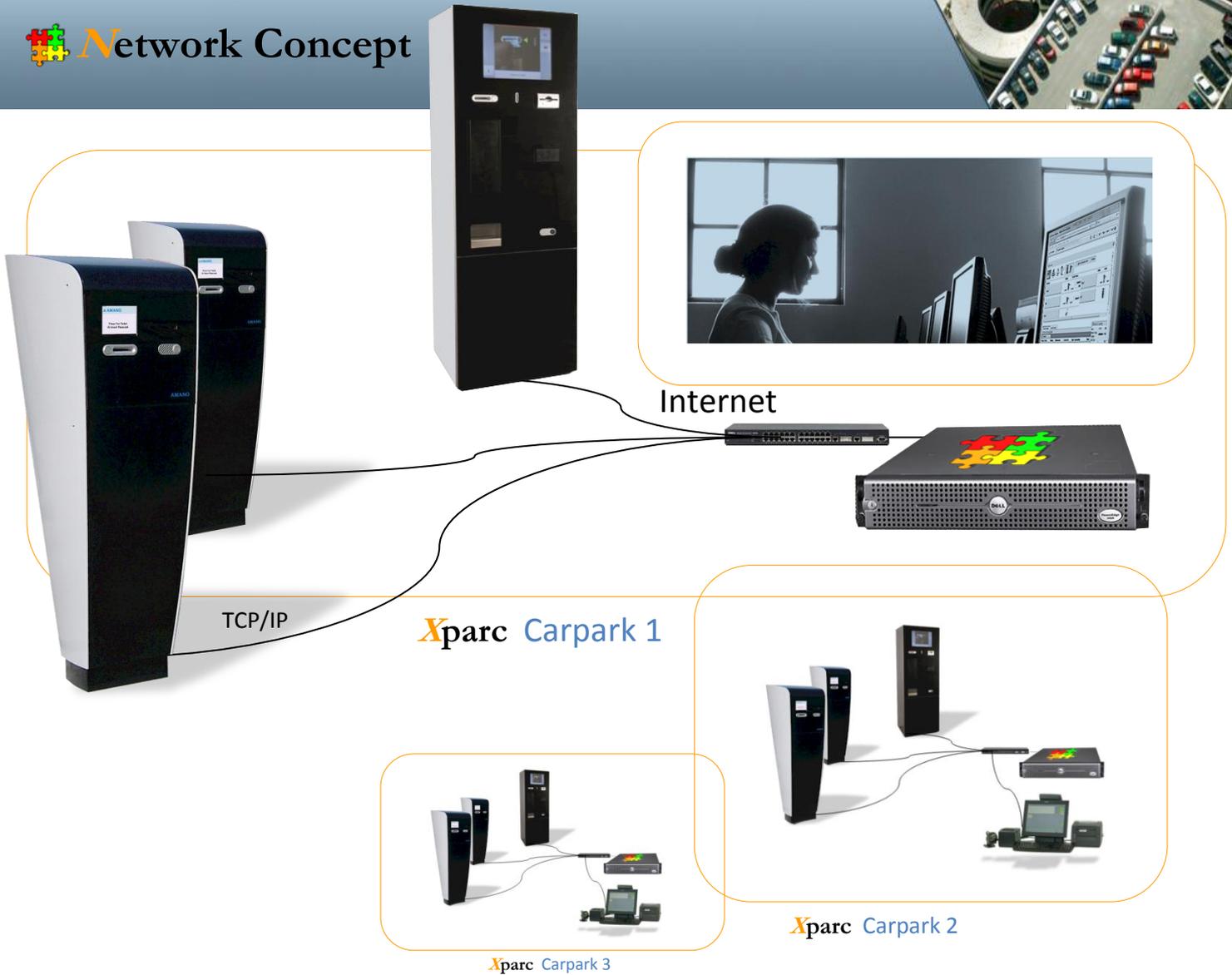
**Xparc** allows for easy integration of **TCP/IP** based devices.

-  IP-phone based Intercom
-  TCP/IP based monitoring with Networked Camera's
-  License Plate recognition with fully integrated OCR module
-  Any third party hardware, software or database can be interfaced.

Video over IP images are fully integrated in the **Xoffice** User Interface.



# Network Concept



- ✿ **Xparc** supports single or multi-server topologies for single or multiple carpark in a local or wide area network. The complexity of the server park can grow with the size of the carpark.
- ✿ A simple ADSL or ISDN Line offers connectivity to the internet, allowing the interconnection of multiple carpark and the decentralization of carpark management.
- ✿ Every **Xparc** device is connected to the nearest **Xparc** server using the same TCP/IP based interface.
- ✿ Any auxiliary device like a camera or intercom will use the same unified network technology.
- ✿ This also opens up all the carpark for remote support and maintenance !
- ✿ Besides the dedicated **Xparc** servers, any PC with any Operating System can be used as workstation for offsite activity.
- ✿ For the very simple carpark, **Xoffice** can be installed on the **Xcash** hardware, while combining carpark management with manual cashier activity.
- ✿ **Xservices**: smaller carpark can rely on a solution hosted by Amano. In that case the installation is done on a server at the Amano premises.



### **Xtra!**

The following examples demonstrate that **Xparc** allows for very flexible integrations with third party hardware or software.

### **HL7 : tailor made interface**

HL7 stands for *Health Level 7 International*. They set the standards for interoperability health information technology.

If healthcare centres, hospitals, etc... use an HL7 compliant solution to manage their patients, **Xparc** can interface with this environment using the same HL7 standard. This assures automatic synchronization of patient statuses in both healthcare and carpark database. This way the access rights of a patient in the car park will be determined by the current situation (registered, ambulant, discharged,...)

### **Xparc as a virtual server**

If the customer prefers to use an existing server and network environment, a cost effective approach can be the installation of **Xparc** on a virtual server. Solutions like « vmware » and « virtualbox » offer an easy way to create **Xparc** as a virtual solution.

### **Voice over IP solutions**

By using « Asterisk » as a virtual PBX for Voice over IP, **Xparc** becomes available for deeper integration with the customer's existing environment.

Typical examples are the use of intercom forwarding, or providing « on request door access » with an Asterisk compatible, DTMF ready Voice over IP device.

### **Database level integration**

Multiple types of file structures can be used to interface with other databases. .CSV or .XML are typical file types used to synchronize « membership cards » with car park user data.

### **Customer and Loyalty Cards**

Many customers use specific – and often multi-functional – cards for access, memberships, student cards, payments, etc...

Alternative card reader solutions in an **Xlane** or an **Xpay** provide the means to use these to enter, pay and leave the carpark..



## **Innovation**

Innovation is a strategic choice that provides Amano with the key to success, growth and competitiveness.

## **Web enabled**

As the only product line on the market that is 100% TCP/IP based, **Xparc** offers the unique possibility for seamless integration in an existing network.

## **Integration**

No exception is made to this principle. Third party integrations, Voice and Video solutions for monitoring or licence plate recognition can be IP driven. **Xparc** can co-exist and co-operate with any existing system like access control or membership databases.

An **Xparc** installation can be deployed in no time, in any country, regardless of language or currency.

## **Quality and Functionality**

Not only innovation, but also quality is a characteristic of a successful product. By offering both quality and tailor-made functionality serving specific needs of the customer, **Xparc** sets a new standard in the parking industry.

## **Metamorphosis**

Metamorphosis [met-uh-mawr-fuh-sis]: a process of development involving a conspicuous and relatively abrupt change in the structure, through growth and differentiation.

A new concept. A new design. The transformation is complete.



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