



## ParkBack® Parking Management Backup Host

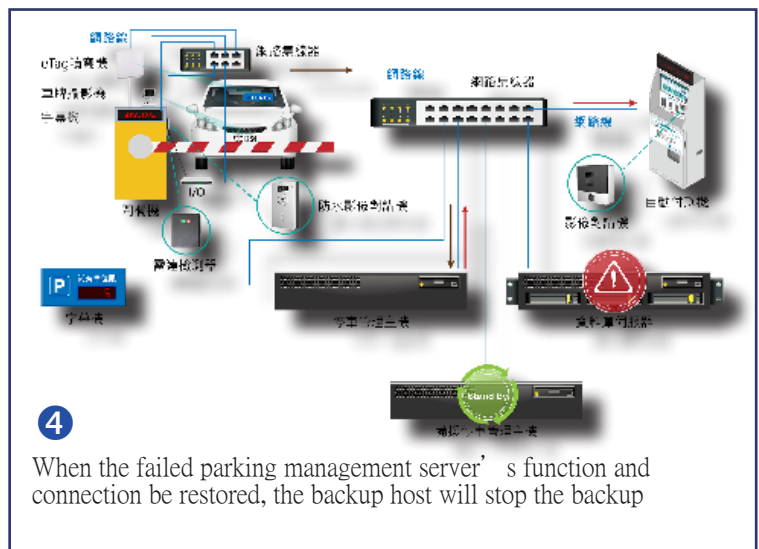
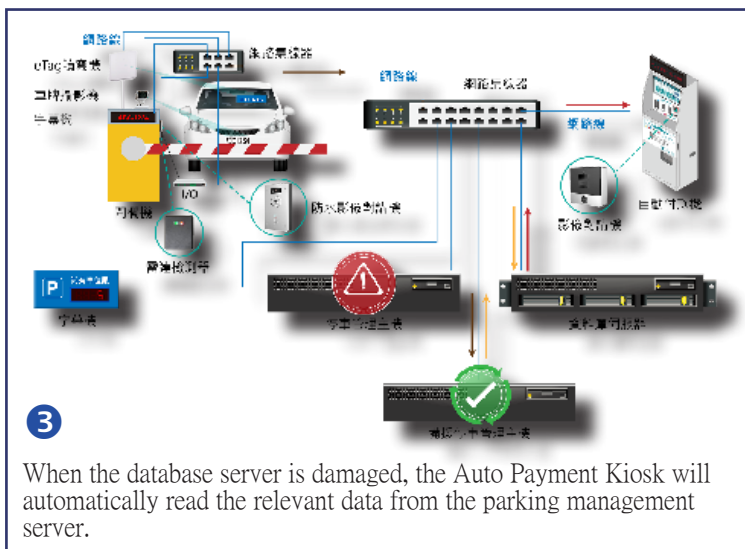
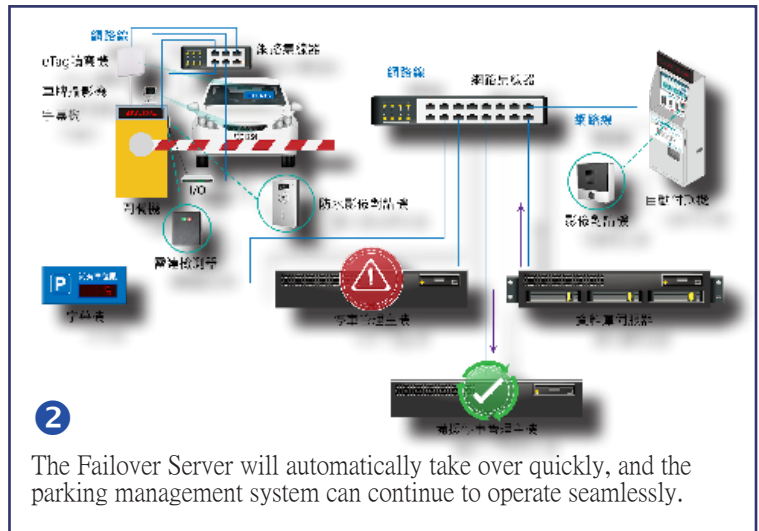
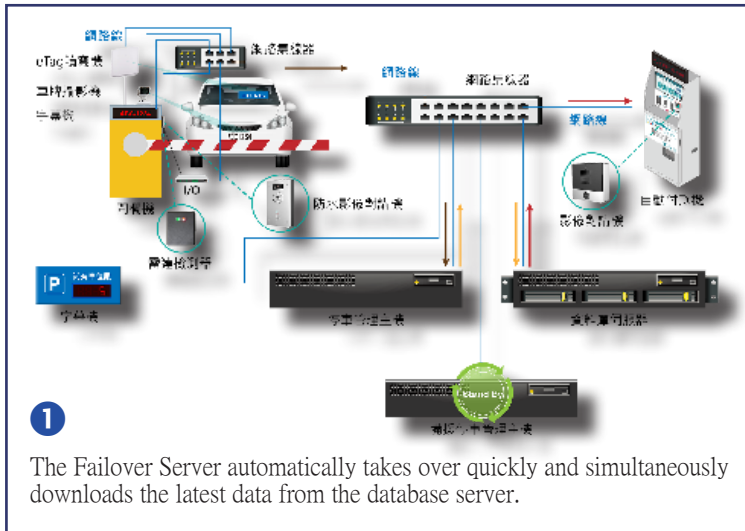
The kinetic energy that keeps the parking lot running continuously!

Are you worried that the parking lot will stop operating due to the failure of the parking management server, the customer cannot leave the parking lot immediately, or the loss of money due to the operation shutdown? Maintaining the regular operation of the parking lot is an essential factor of a successful parking lot; a parking lot that cannot provide parking functions is unacceptable. In addition to losing money, it is more likely to cause strong customer complaints. We take the problem of parking management server downtime seriously; when the parking management server paralyzes, it is like a brain shutdown, and the entire parking lot stops operation. Using our unique and reliable failover technology, which perfectly performs the backup task and gives your parking lot operation higher stability, continuity, and reliability, the more important thing is to keep the parking lot running 24/7.

The ParkBack® Failover Server will automatically take over when any of the following happens to the parking management server:

- (1) When the parking management server crashes.
- (2) When all the hard disks of the parking management server have errors.

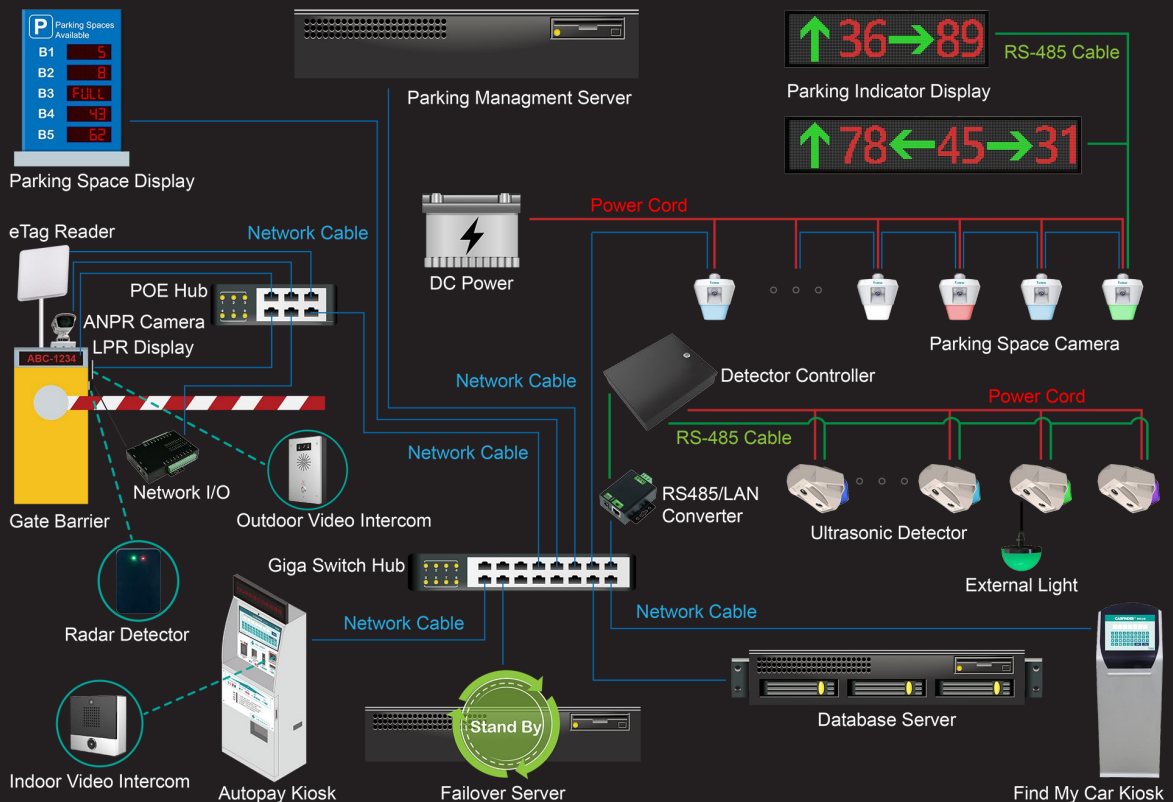
### System Operation



# ParkBack® Specification

Hardware	
<b>Platform</b>	Embedded Windows O.S. on SSD. Supports Raid 1 Dual Embedded O.S. ensures auto take over when the SSD has defected. (Option)
<b>Storage</b>	4 HDDs up to 40TB; (4x10TB) capacity   Hot-Swap Bays & Hardware Raid card supports RAID 0, 1, 5 functions. (Option)
<b>System Control</b>	Built-in Hardware & Software Watchdog timer support auto-reboot and auto-recovery. Temperature controller and cooling fans x3 keep inside temperature stable.
<b>I/O Port</b>	3 displays (DVI, HDMI, Display port) up to 4K resolution   USB x4   Audio in/out (jack)
<b>Network</b>	10/100/1000Mbps LAN x2   x4 (Base Model Number)
<b>Dimension /Weight</b>	88(H) x483(W)x 660(L) mm 2U Rackmount Chassis   12Kg (Without HDD)
Software	
Connected Devices	1~16 LPR cameras   1~16 UHF readers   8~1024 Parking cameras   32~5120 Ultrasonic detectors (optional)
Setup List	Allow the blocklist/VIP/allowlist/reserved list batches setup. Automatically matching the ETC number with the existing license plate.
LPR Parameters	To allow the setup of the detection area, direction, pixel, threshold, characters number, and other LPR parameters.
Event Log	The event data includes the vehicles of entry and exit time, license plate number, photos, videos, passing status, and healthy devices.
Parking Information	To show the license plate number, each area, each floor, total empty parking spaces, and parking guidance information on the display in real-time.
Empty Parking Space	Supports counting of empty parking spaces and schedules to auto-correct automatically.
Event Search	Events can search according to parameters such as name, license plate, location, period, Etag, passing status, etc. Click on the event list to play the video directly.
Gate Control	The gate automatically opens when the recognition results match the list while supporting remote opening and closing of the gate manually.
Automatic Takeover	Support the failover function; when the server is damaged, the failover server can start the takeover automatically. (optional)
Time Synchronization	Time Synchronization with the NTP server automatically.
Permission Setup	Set up multiple users with individual authority right, and the number of authorized users is unlimited.
HDD failure warning	Support hard disk S.M.A.R.T. function. There are two warning levels, and the alarm will notify by email directly.
Technical	
<b>Server</b>	Pre-installed Operation System and Parking Guidance Management software, and a USB Dongle protector is attached.
<b>System Integration</b>	Can integrate the third-party software with our API and SDK easily.
<b>Character Pixel &amp; Angle</b>	License plate (Horizontal width) > 80 pixels   Vertical max. 30°   Horizontal: max. 30°   The maximum bevel angle of the lower edge of the license plate frame relative to the road is 10°.
<b>Order Info</b>	AnyNet-xyxy(L)(U)(S) FOS: xx: Camera no   yy: HDD no   (L): LPR no   (U): UHF Reader no   (S): Ultronic detector no   Space: Raid Example, AnyNet-12804(2)(2):2Ch LPR+126Ch Parking cameras   Hot-Swap HDD x4   2Ch UHF Reader   Raid 5/6 HDD storage.

## System Architecture



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