Parktron
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Autopay Station

CAPS 219C

CAPS219C is an Auto Pay Station used in CPS2000 parking system. It adopts Chipcoins (Mifare® IC inside) as parking tickets and provides a convenient payment service in a parking facility. In case of network disconnection, CAPS219C can be operated under stand-alone mode, off-line data will be saved and then sent back to Central Management Server after network reconnected.

A color TFT-LCD display and a multimedia speaker provide CAPS219C a user friendly interface. When a user is detected by a built-in infrared sensor at the front panel of an Auto Pay station, a display and a vocal message will both prompt the user to insert a Chipcoin for parking fee calculation. Required payment amount will then be shown on the display screen and waiting for payment. Both coins and banknotes can be accepted and gives change if needed. Once the payment is completed, payment information is then written into the Mifare® IC of the Chipcoin and returned to the user for exit validation.

Standard specs

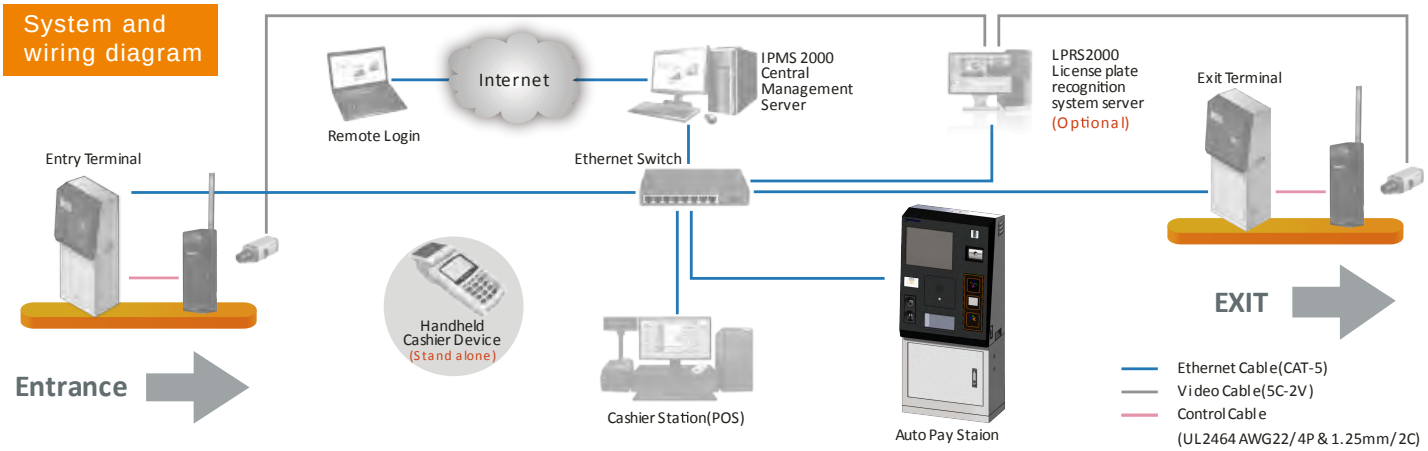
- Chipcoin Mifare® reader/writer.
- IPC – Industrial low power half-size Pentium CPU board.
- Isolated digital I/O card.
- Standard 17" color TFT-LCD display. (touch screen)
- Thermal printer for payment receipt & shift report printing.
- Multimedia speaker.
- Sub-intercom device.
- Banknote Accepter/Collector:
  - Multi-width and four-way validation.
  - Single-Stacking Cassette with security lock (Capacity: 1000 notes).
- Coin Accepter:
  - Automatic safety shutter only opens when awaiting for payment.
  - Accept multiple coin types in one single slot.
- Coin Hopper:
  - Standard 3 (max. 4) coin hoppers for different denomination storage & providing 3 (max. 4) coin change.
  - A storage size of 500~1000 coins per hopper depends on coin size.
- Cabinet:
  - 3.0mm thickness heavy duty hot-rolled steel for front door panel and 2.0mm for entire cabinet.
  - Polyester powder coating.
  - Detachable SUS430 stainless steel (3.0mm thickness) cabinet base to extend service life and easy installation.
  - Ventilation system.
  - Internal service illumination.
- Alarm monitoring and control:
  - Real time alarm monitoring and alert to the Central Management Server.
  - Alarm types: cabinet intrusion/collision, coin/banknote full, coin low,device/ communication errors ...etc.
  - Blacklist alert to Central Management Server.
  - Alarm buzzer for illegal intrusion.
- Receipt printing function can be setup in three modes: Yes/No/Ask.
- Working Temperature : -10 ~ 50°C.
- Electrical: 100/220VAC, 3.4/1.7A, 50/60Hz.
- Power: 250W.
- Dimensions (W x D x H) : 621mm x 350mm x 1415mm (±3%).

Options

- Renew payment service integration to other season card system.
- Lost ticket issuing function (with a ticket dispenser).
- Credit card payment service integration (with a credit card reader).
- Customized cabinet material and color.
- Providing change in banknote(s): Upgraded banknote validator/ collector with banknote denomination recycled and for providing as change.
- Coin escrow device.

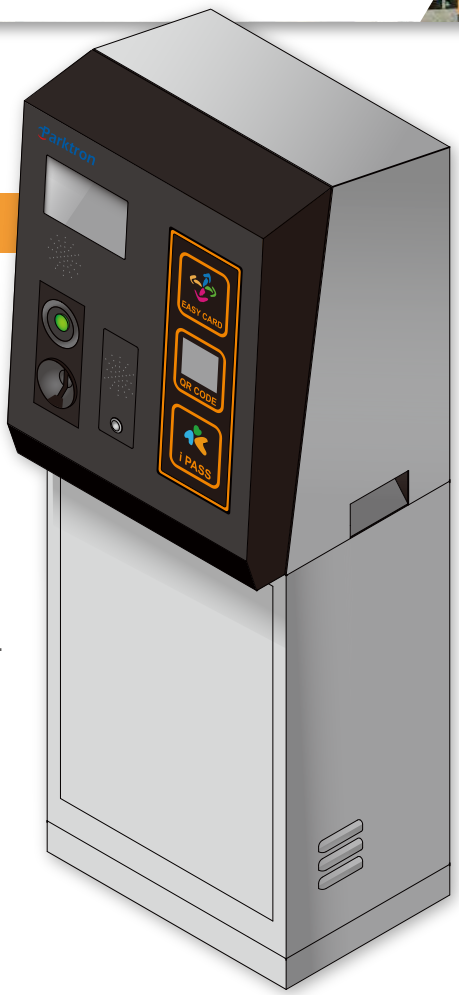
※specifications are subject to change without notice.

System and wiring diagram



Entry Terminal

CENT 219C



CENT219C is an Entry Terminal used in CPS2000 parking system. It adopts Chipcoins (Mifare® IC inside) as parking tickets and provides a fast and easy entrance control of a parking facility. In case of network disconnection, CENT219C can still be operated under stand-alone mode; off-line data will be saved and then sent back to Central Management Server after network reconnected.

7" color display and a multimedia speaker provide CENT219C a user friendly interface. While a presence of a car is detected at an Entry Terminal, a display and a vocal message will both prompt the driver to push a ticket button for a Chipcoin. The ticket number, entry time, terminal ID and site ID are all written into the Mifare® IC in the Chipcoin. After the Chipcoin is taken by the driver, the gate will be opened for entering.

For those Chipcoins dispensed but not taken by the driver are recycled and blacklisted, while back-out Chipcoins are also blacklisted by the parking system.

Standard specs

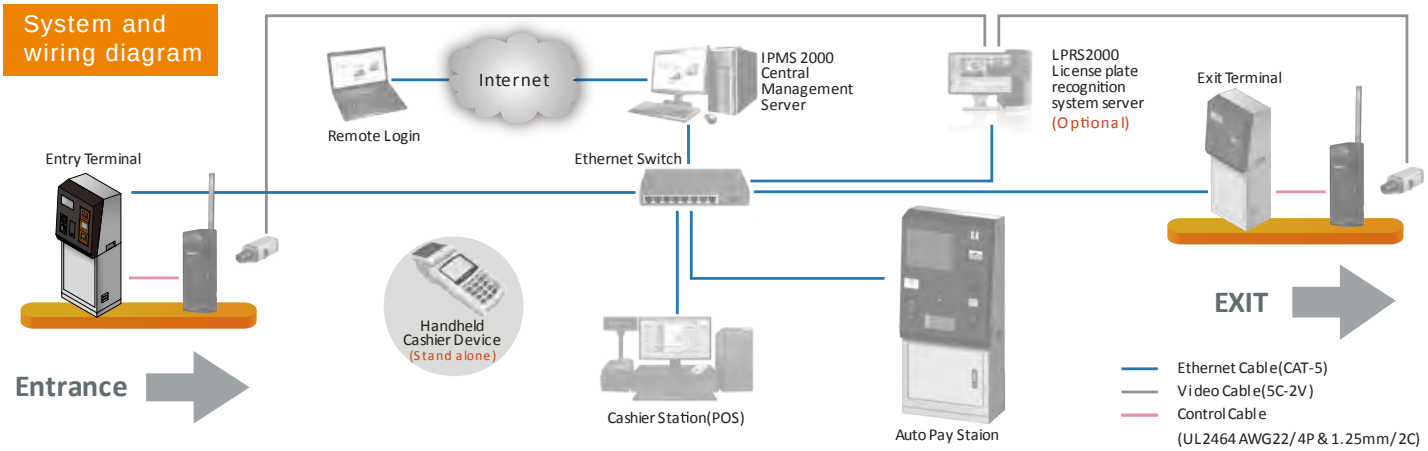
- Motorized Chipcoin reader/writer/ dispenser/collector:
  - Contactless read/write mechanism.
  - Ticket capacity: 550 Chipcoins
- Embedded Linux system control board.
- Isolated digital I/O control card.
- 7" color TFT-LCD display.
- Multimedia speaker.
- Sub-intercom device.
- Cabinet:
  - 2.0mm thickness heavy duty hot-rolled steel.
  - Polyester powder coating.
  - Ventilation systemcoordinated by thermostat.
  - Internal service illumination. Energy saving design, activate only when cabinet door(s) open.
- Alarm monitoring and control:
  - Real time alarm monitoring and alert to the Central Management Server.
  - Alarm types: cabinet intrusion/collision, ticket low/empty, device/communication errors ...etc.
  - Back-out and stolen tickets information are sent to Central Management Server as blacklist.
- Working Temperature :-10 ~ 50°C.
- Electrical: 100/220VAC, 0.8/0.4A, 50/60HZ.
- Dimensions (W x D x H): 450mm x 483mm x 1265mm (±3%).
- Power: 60W.

Options

- Mifare® card reader (wall mount type) for season card (subscriber) system.
- Mobile payment / prepaid card.
- QR code scanner.
- SUS4S0 stainless steel cabinet base to extend service life.
- Customized cabinet material and color.

※specifications are subject to change without notice.

System and wiring diagram



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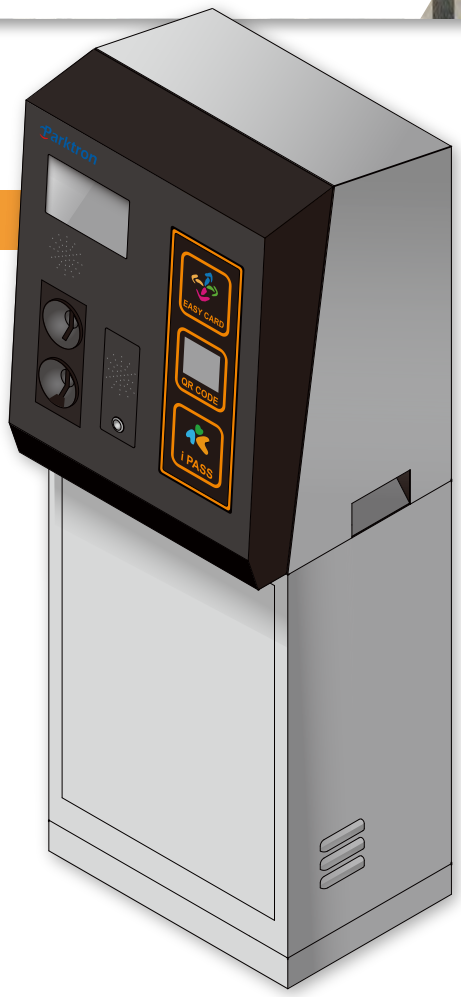
Exit Terminal

CEXT 219C



CEXT219C is an Exit Terminal used in CPS2000 parking system. It adopts Chipcoins (Mifare® IC inside) as parking tickets and provides a fast and easy exit control of a parking facility. In case of network disconnection, CEXT219C can still be operated under stand-alone mode; off-line data will be saved and then sent back to Central Management Server after network reconnected.

7" color display and a multimedia speaker provide the CEXT219C a user friendly interface. While a presence of a car is detected at the Exit Terminal, a display and a vocal message will both prompt the driver to insert a Chipcoin for exit verification. The terminal will open the barrier gate and recycle the Chipcoin if it is valid for exiting. In case of parking fee not paid or grace time exceeded, the Chipcoin is then rejected to the Chipcoin reject slot and the driver is prompted to retrieve the Chipcoin back, and make payment at an Auto Pay or a Cashier Station.

Standard specs

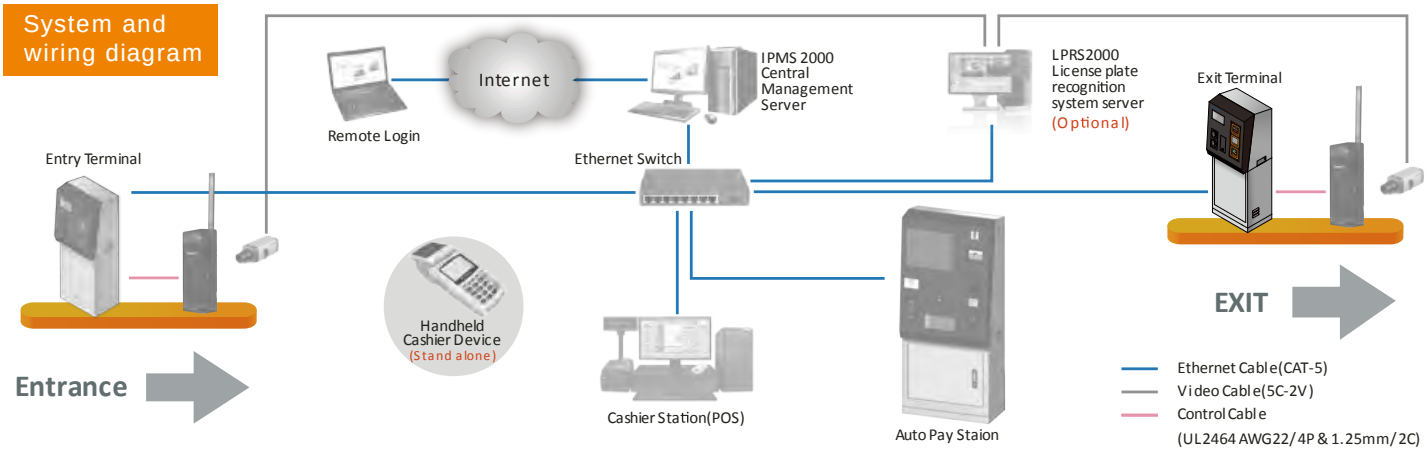
- Chipcoin reader/writer and collector.
  - Contactless read/write mechanism.
- Embedded Linux system control board.
- Isolated digital I/O control board.
- 7" color TFT-LCD display.
- Multimedia speaker.
- Two way intercom.
- Cabinet:
  - 2.0mm thickness heavy duty hot-rolled steel.
  - Polyester powder coating.
  - Ventilation system coordinated by thermostat.
  - Internal service illumination. Energy saving design, activate only when cabinet door(s) open.
- Alarm monitoring and control:
  - Real time alarm monitoring and alert to the Central Management Server.
  - Alarm types: cabinet intrusion/collision, ticket low/empty, device/ communication errors ...etc.
- Working Temperature : -10 ~ 50°C.
- Electrical : 100/220VAC, 0.8/0.4A, 50/60Hz.
- Dimensions (W x D x H) : 450mm x 483mm x 1265mm (±3%).
- Power: 60W.

Options

- Mifare® card reader (wall mount type) for season card (subscriber) system.
- Mobile payment / prepaid card.
- QR code scanner.
- SUS430 stainless steel cabinet base to extend service life.
- Customized cabinet material and color.

※specifications are subject to change without notice.

System and wiring diagram



Cashier Station

CCST 209

CCST209 Cashier Station is a PC based POS computer in CPS2000 parking system. It supports Chipcoins (Mifare® IC inside) as parking tickets and provides a manned payment service for a parking facility. In case of network disconnection, CCST209 can still be operated under stand-alone mode; off-line data will be saved and then sent back to Central Management Server after network reconnected.

CCST209 Cashier Station reads the data encoded in a Chipcoin received; calculates and displays the required amount of parking fee on the fee display. Once a payment is made, payment completed data is written back into the same Chipcoin for exit validation later. A printed receipt is available upon request.

Standard specs

- POS computer:
  - CPU : Intel G620(2.6GHz) or above.
  - Memory:
    - 2GB SDRAM.
    - 500GB HDD.
    - DVD-Dual drive (DVD+/-RW).
  - Interface : IEEE 802.3,100/1000 Mbps Ethernet.
  - 17" color TFT LCD.
- Fee Display : VFD multi-lines display.
- Chipcoin reader/writer.
- Receipt Printer:
  - Print method: direct thermal.
  - Print speed: 25 RPM (6-inch per minute).
  - Paper width: 60 mm.
- Cashier Drawer: 4 trays for bills, 8 trays for coins.
- Working temperature : 0 ~ 50°C..
- Electrical: 110 or 220VAC, 50/60HZ.
- POS Application Software:
  - Administration login:
    - Username/Password login or authorization card required.
    - Multiple authority levels can be applied for configuring different group of system functions.
  - Parking rate configuration downloaded from server:
    - Time zone.
    - Day of the week.
    - Holidays.
    - Complimentary time.
    - Grace time.
    - Fee calculation on lost tickets.
  - Discount selection :
    - Amount.
    - Percentage.
    - Hours.
  - Operator shift report.

Options

- Mifare® card reader (wall mount type) for season card (subscriber) system.
- Color TFT LCD touch screen for operator display.

※specifications are subject to change without notice.

System and wiring diagram