



PARKING GUIDANCE SYSTEM

Effortless Parking with Smart Guidance

Streamline your parking facility with our advanced guidance system. **Ultrasonic sensors detect occupancy**, LED indicators guide drivers, and powerful software **provides real-time data and analytics** for optimized parking management.

Key Solution Components

Forward Mounting Sensor(Green&Red)

Key Features:

- With built-in Green/Red indicator as one unit
- Installed in front of every parking lot
- Installation Height:2.0~2.7 meters
- Working Voltage:DC12-24V
- Casing Material:ABS
- Communication Way:RS485,4800bps,N,8,1
- Working Humidity:10%~90%
- Working Temperature:-20~+60℃
- Dimension:140x140x70MM



Forward Mounting Sensor(RGB)

Key Features:

- With built-in RGB indicator as one unit (green,red, blue,orange,yellow,cyan,white,pink)
- Installed in front of every parking lot
- Installation Height:2.0~2.7 meters
- Working Voltage:DC12-24V
- Casing Material:ABS
- Communication Way:RS485,4800bps,N,8,1
- Working Humidity:10%~90%
- Working Temperature:-20~+60℃
- Dimension:140x140x70MM



Indoor LED Display

Key Features:

- Provide 1-way, 2-way or 3-way guidance screen, suitable for different site conditions
- Green/Red LED guidance screen, visible for parking guidance and way finding from far away
- Dot Matrix: 32x64
- Luminance: 300-500cd/m²
- Lower power consumption design, self-protection against short-circuit, overloading, over current, etc
- Input Voltage: AC100-240V
- Dimension: 414x260x85MM



Outdoor LED Level Count Display

Key Features:

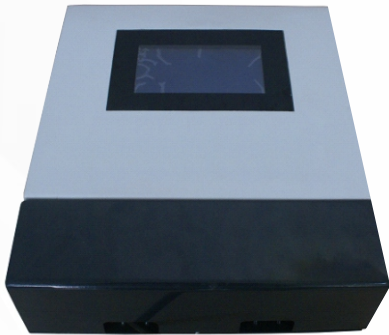
- Receive vacant lots from CCU, show the empty lots of each floor, workable for 24 hours
- Support to customize firmware to display the contents as per project requirements
- Green/Red LED guidance screen, visible for parking guidance and way finding from far away
- Working Voltage: AC100~240V
- LED Panel Size: 32x16CM
- Communication Way: TCP/IP
- Dimension: 800x2000x120MM



Parking Guidance System Software

Key Features:

- Support 2D and 3D electronic map and monitoring dashboard
- One-time license cost, no annual subscription charges
- Reports View and Download
- Permission Rights Control
- API for Integration Development



Zone Control Unit

Key Features:

- Communication Way: TCP/IP
- Collect data from sensors and with LCD screen to monitor sensor working status
- Input Voltage: AC100-230V
- Working Voltage: DC24V5A
- Working Humidity: 10%~90%(non-condensing)
- Working Temperature: -20~+60°C
- Dimension: 300x260x73MM

Server

Key Features:

- Intel Core processor (12MB Cache, 4 Core) 300W
- Platinum PSU
- 16GB, 1x16GB, DDR5,4400MHz UDIMM,Non-ECC Memory
- 256GB PCIe NVMe Class 35 M.2 Hard Disk
- 4TB 5400rpm SATA 3.5" Hard Disk
- Standard CPU Air Cooler
- Operating System: Linux Debian 12.5
- Dimension: 373x173x420mm



Workstation PC

Key Features:

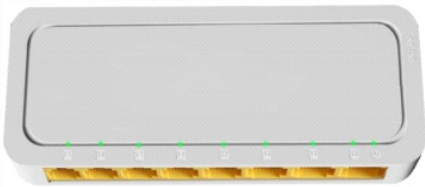
- CPU: i5-12500
- Memory: 8G
- Hard Disk :1T
- Monitor:21.5 Inch
- Resolution: 1920x1080
- Connection Port: 8xUSB,1x USB-C 3.2
- Video Port:1xVGA,1xDisplayPort 1.4a
- Power:180W
- Chassis Dimension:324.30
- Operating System: Windows 11



Switch

Key Features:

- Working Voltage: DC 5V 0.5A, external power supply
- Power Consumption: $\leq 1.7W$
- MAC Address Capacity: 1K
- Protocol Standard: IEEE802.3, IEEE802.3i, IEEE 802.3u, IEEE802.3x, IEEE802.3az
- Exchange Capacity: 1.6Gbps
- Working Humidity: 10%~90%(non-condensing)
- Working Temperature: $-0^{\circ}C \sim +45^{\circ}C$
- Dimension: 130.7x52.3x20mm



Switch(16 Port,100M)

Key Features:

- Working Voltage: DC 5V 0.6A, external power supply
- Working Temperature: $0^{\circ}C \sim 40^{\circ}C$
- Working Humidity: 10%~90%(Non-condensing)
- Protocol Standard: IEEE 802.3, IEEE 802.3u, IEEE 802.3x
- Port: 16 x 10/100Mbps self-adaptive RJ45 ports
- Dimension: 192x124.92x40.57mm



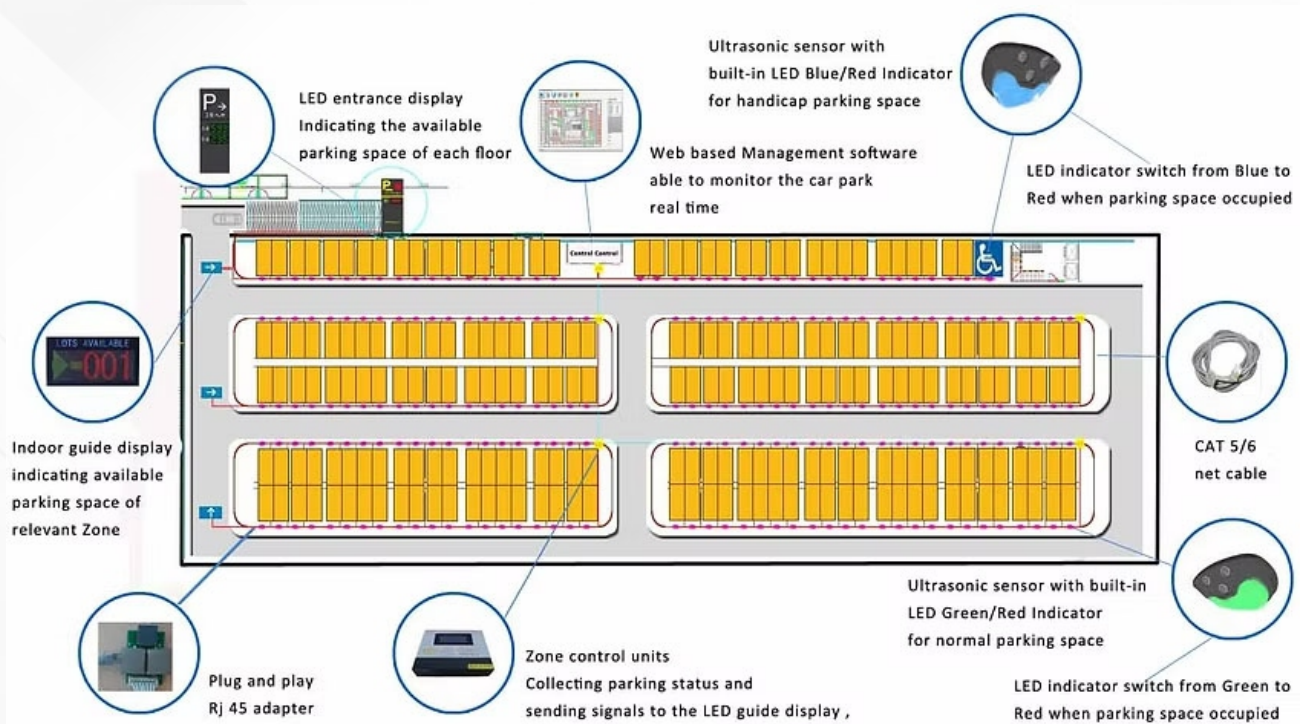
Fiber Converter

Key Features:

- Working Voltage:DC5V 0.4A
- Standard: IEEE 802.3,IEEE 802.3u,IEEE 802.3ab, IEEE 802.3z,IEEE 802.3x
- Communication Way: 1x100/1000MbpsRJ45
- Network Port,1 pair 1000Mbps SC Port
- Transmit Range: 1310nm
- Transmission Medium: Cat5 network cable/
Single-mode optical fiber
- Max. Transmit Distance: 20km
- Working Temperature:-20°C~60°C
- Dimension: 94.5mmx73.0mmx27.0mm



Solution Architecture:



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