RFID Automatic Parking System

International Megatrend Smart Technology Ltd.

PARKING AND PERSONAL MANAGEMENT
HARDWARE AND SOFTWARE INCLUDED
CUSTOMIZED SOFTWARE DESIGN

PC Setup Environment	
CPU	Core Dure 1.66GHz
Memory	1G DDRII RAM
HDD	200MB Required
OS	Windows

Application Environment	
Language	English/Chinese
Program	Java / VB.NET
Database	Access/MySQL/MSSQL

RFID Tag		
Size	A:	4.40" x 4.125"
	B:	3.94" x 3.94"
	C:	4.40" x 1.80"
Range	A: more than 20ft	
	B: more than 10ft	
	C: more than 10ft	
Material	A,C: Polyester	
	A,C: PVC	
	B: Stick (Adhesive) to Glass	
Operation Temperature	-20°C to 60°C	

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RFID Reader Environment & Spec.		
Processor	Intel IXP420 266MHz Network Processor	
	Texas Instruments TIC5502 300MHz Digital Signal Processor	
Memory	64MBytes DRAM	
	16MBytes FLASH	
Connectivity	Serial: RS-232	
	Ethernet: 10/100 Base-T	
Dimensions	25.4 x 25.4 x 3.8 cm	
Temperature	Operating: 0°C to 40°C	
	Storage: -20°C to 70°C	
Humidity	Relative humidity 0-90% non-condensing	
Weight	3lb 10oz / 1.6 kg (with 2 analog front ends)	
Power	24V DC, 2A unregulated	
Operating Frequencies	UHF:	902-928 MHz
		865-870 MHz
		950-956 MHz (planned)
Air Interface Protocols	UHF:	EPC Class 0
		EPC Class 1
		ISO 18000-6B/Ucode 1.19
		Rewriteable class 0+
		EPC Gen2
Antenna Configuration	UHF:	4 to 8 combined UHF Transmit/Receive Antennas with circular polarization
	RF Power: UHF +32.5dBm (1 Watt(30dBm) per FCC Part 15 +2.5dB attenuation due to antenna cables)	
	Regulatory: FCC Part 15, UL 60950, CAN/CSA	
	C22.2 No. 60950, Canada CS5 210, ETSI EN302-303, CE	

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