

**KEE HING CHEUNG KEE CO., LTD.
DLFTZ CHANG HING KEE
INT'L INDUSTRY & TRADE CO., LTD.**



ACCESS DOOR CONTROL SYSTEM

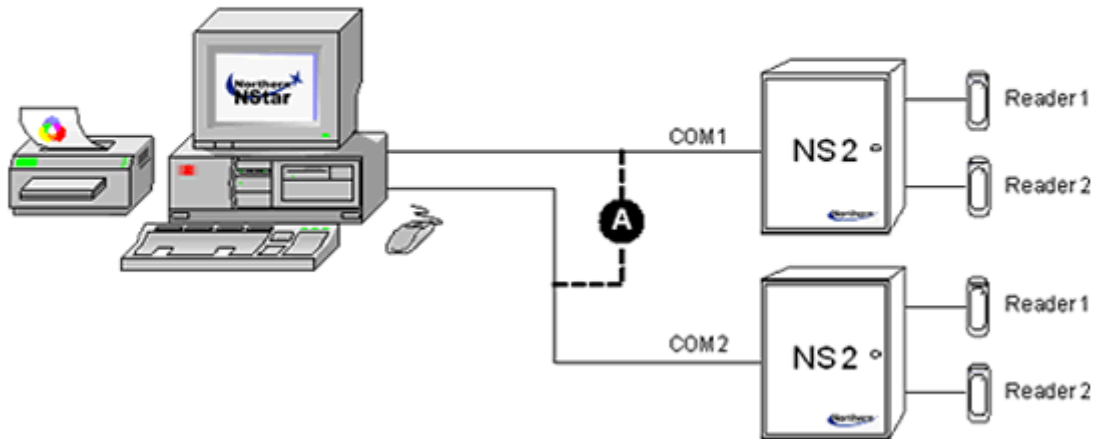


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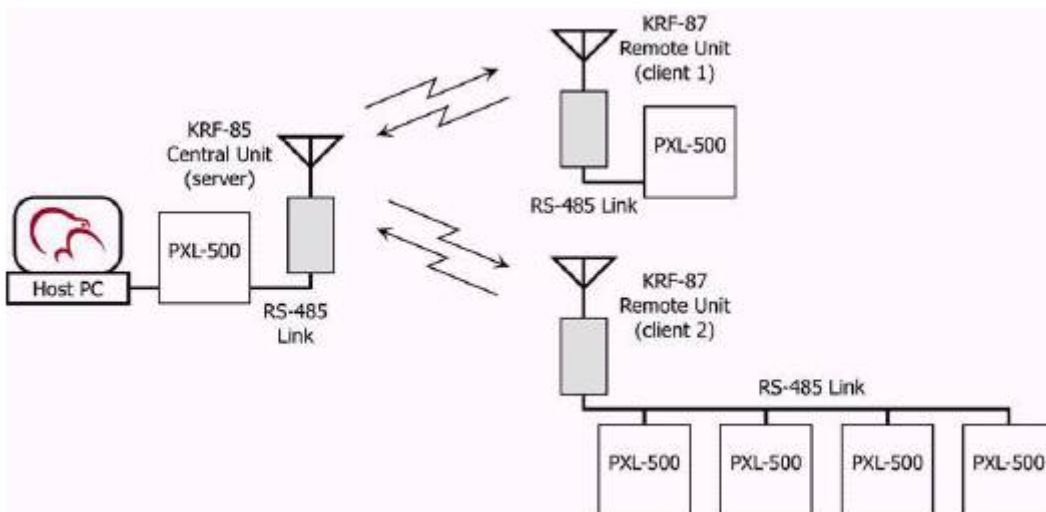
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Serial Communication

Standard Configuration use 2 Communication Ports
Control 1 NS2 Control Panel per Communication Port



A Part #CBL50 - RS-232 50' Serial Cable





Intelligent Access Control System is a weak system of Security System, as a new type of modern safety management system, which combines computer automatic identification technology and modern safety measures for the integration concludes: electronic, mechanical, optical, computer technology, ICT, biotechnology, and other new technologies. It is important to resolve the entrance and exit sector to achieve the effective management of safety and protection measures. Access Control System, also be known as access management control system, which is a digital management system for staff access.

KHCK is a company that can provide a wide range of access door system include: Password Access Control System, the non-contact IC card (induction IC card) Access Control System, fingerprint biometrics iris palm-Access Control System, etc.

Access Control

The integral parts of Access Control System

Access Control System is consisting of Access Control controller, reader, button for going out, locks, smart cards, electrical power supply, and management software.

Smart card

Smart card plays a role of medium of writing and reading information for Intelligent Access Control System .The current mainstream technologies are Mifare and EM, etc. From the application perspective, we can group the card into read-only card and read-write card; from material and appearance speaking, the cards can be group into thin card, thick cards, Profiled cards.

Reader

Reader is responsible for reading the data information from card and transferring the data to controller. Generally speaking different technologies card matching different reader technology, such as Mifare card is fit for Mifare reader.

Controller

Controller is the core of the whole system. It is responsible for information and data input, processing, storing, exporting. The communication means between controller and reader are R485, R232, and wageningen format.

Lock

Lock is the implementation part of the entire system. At present, there are three categories: electric locks, magnetic locks, electric interpolation lock. According to user's requirements and the material of door, we generally choose electric locks for the wooden door, magnetic locks for metal doors and wooden doors, electric interpolation locks for various materials of doors. As the implementation parts, the stability and durability is very important.

A thick, dark red curved bar that starts wide on the left and tapers to the right, positioned above a horizontal line.


Power supply


Power equipment is also a very important part of the whole system. If the electric power supply is matched unsuitably, the whole system will be paralyzed or in a variety of fault, but many users often overlook the importance of electric power supply. There for Access Control System generally should be matched a more stable linear power supply.


Management software


It is responsible for monitoring and control, management and checking. Administrative personnel can monitor and control all system condition and work order of controller by the management software.


Fingerprint time attendance and access control system


Name of Product	Model	Features	Location	Remarks
<p>Shepherd 210 Series of Fingerprint Double-core Lever Lock</p> 	DL210 (Standard)	<ol style="list-style-type: none"> 1.Double locks: Latch&Deadbolt 2.Two level management 3.1:N verification mode 4.Five security Level 5.LED display 6.High expansibility 7.Emergency open mode 8.Override key 9.Low power prompt 10.Stores 50 users,100 fingerprints 11.Operating temperature: 0F-130F (Wide temperature) 12.Environmental humidity: 0%-99% 13.Scanning time:<1s 14.Recognition time:<0.2s 	<p>Widely utilized in Homes</p> <p>Offices</p> <p>Stores</p> <p>Villas</p> <p>Labs</p> <p>Banks</p>	<p>Special offer</p> <p>20' container: 1200 Units</p> <p>40'container: 2508 Units</p>
	DL210 (Deadbolt& Freely latch)	<ol style="list-style-type: none"> 15.Static power consumption:<5μ A 16.Dynamic power consumption:<300 mA 17.Power source:6 AA alkaline batteries 18.Weight:4500g <p>Multi-person unlock mode(Optional)</p>	Hotels etc	
	DL210 (Record Function)	3000 records can be checked though connection with computer		


Name of Product	Model	Features	Location	Remarks
<p>Shepherd 220 Series of Fingerprint Password Lever Lock</p> 	DL220	<ol style="list-style-type: none"> 1. Two level management 2. 1:N verification mode 3. Fingerprint/Password match mode 4. Keep unlocking function 5. None disturbed function 6. Override key 7. Low power prompt 8. Stores 50 users, 100 fingerprints 	Widely utilized in Homes	
	DL220C (Record Function)	<ol style="list-style-type: none"> 9. Operating temperature: 0F-130F (Wide temperature) 10. Environmental humidity: 0%-99% 11. Scanning time: <1s 12. Recognition time: <0.2s 13. Static power consumption: <5μ A 14. Dynamic power consumption: <300m A 15. Power source: 6 AA alkaline batteries 16. Weight: 4500g 17. Networking/Record function (DL220C): 3000 records can be checked though connection with computer 	<p>Offices</p> <p>Stores</p> <p>Villas</p> <p>Labs</p> <p>Banks</p> <p>Hotels etc</p>	<p>Special offer</p> <p>20' container: 1200 Units</p> <p>40' container: 2508 Units</p>



Name of Product	Model	Features	Location	Remarks
<p>Shepherd 260 European Standard Fingerprint Mortise Lock</p> 	DL260 standard	1, European standard 72mm or 85mm mechanical lock set. Also for mortise latch lock 2.Having the password verification mode(8-12digits) 3.Two level management 4.Emergency open mode 5.Low power prompt 6.Memory capacity: Basic mode-15 users, extending mode-50 users large capacity mode-99users	Widely utilized in Homes	<p>Special offer 20' container: 1200 Units</p> <p>40' container: 2508 Units</p>
	DL260 Record function	7.Operating temperature: 0F-130F (Wide temperature) 8.Environmental humidity: 0%-99%	Offices Stores Villas	
	DL260 Remote/IC Card	9.Scanning time:<1s 10.Recognition time:<0.2s 11.Static power consumption:<5μ A	Labs Banks	
	DL260 Record/Remote/IC Card Function	12.Dynamic power consumption:<300m A 13.Network function(Optional) 14.Record function 1000/4000 pieces(Optional) 15.Untouchable IC card/remoter (Optional) 16.Weight: 4kg	Hotels etc	

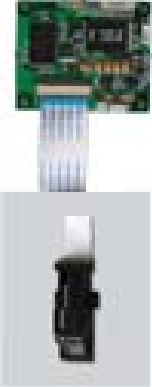
Name of Product	Model	Features	Location	Remarks
<p>Shepherd 240 Fingerprint Lock</p> 	<p>DL240</p>	<p>1.Fashion and Easy installation 2.Two Level management 3.Override key 4.For security purposes, the lock can be managed by 2 administrators and 13 users. 5.Power source:4 AA alkaline batteries for running 8000 times 6.Low power prompt 7.Operating temperature: 0F-130F (Wide temperature) 8.Environmental humidity:0%-99% 9.Scanning time:<1s 10.Recognition time:<2s 11.Static power consumption:<1 μ A 12.Dynamic power consumption:<150mA 13.Weight:2500g</p>	<p>homes, offices, stores</p>	<p>Special offer 20' container: 2800 Units 40' container: 5800 Units (Steel shell need more 20\$, Golden shell need more 15\$)</p>




Product Module	Model	Features	Location	Remarks
<p>Shepherd200 Series of theft-proof Door Fingerprint Lock</p> 	DL200	<p>1.Prize-proof and alarm function. 2.Triple lock structure and installation 3.Two level management 4.Electronic emergency unlock mode 5.Multi-open mode 6.Stores 15 users, 30 fingerprints 7.Operating temperature: 0F-130F (Wide temperature) 8.Environmental humidity:0%-99% 9.Static power consumption:<5 μA 10.Dynamic power consumption:<200mA 11.Weight:4800g 12.Non-disturbance function</p>	<p>Homes Offices Stores Villas Labs Bans Hotels</p>	<p>Special offer 20' container: 780 Units 40' container: 1600 Units</p>




Name of Product	Model	Features	Location	Remarks
<p>Shepherd 270 European Standard Fingerprint Mortise Lock</p> 	<p>DL270</p>	<ol style="list-style-type: none"> 1.Used for all lockset of European Standard hole(57mm-87mm) 2.Fashion and easy installation 3.Two level management 4.Power source:4 AA alkaline batteries for funning 6000 times. 5.Stores 100 users, 200 fingerprints 6.Scanning time:<1s 7.Recognition time:<0.03s 8.Operating temperature: 0F-130F (Wide temperature) 9.Environmental humidity:0%-99% 10.Static power consumption:<1 μA 11.Dynamic power consumption:<150mA 12.USB interface(Optional) 13. Weight: 4.5kg 	<p>Widely utilized in Homes</p> <p>Offices</p> <p>Stores</p> <p>Villas</p> <p>Labs</p> <p>Banks</p> <p>Hotels etc</p>	<p>Special offer</p> <p>20' container: 1200 Units</p> <p>40' container: 2508 Units</p>

Name of Product	Model	Features	Location	Remarks
<p>Networking Lock for hotel</p>  <p>The image shows a collection of networking lock products. At the top, there is a computer workstation labeled '服务台' (Service Counter). Below it are several fingerprint scanners labeled '指纹采集仪' (Fingerprint Collector). To the right is a '转发器' (Transceiver). In the middle, four door lock models are shown: DL260, DL220CR, DL270, and DL290. At the bottom, there are two 'Receiver' units and a '指纹保险柜' (Fingerprint Safe).</p>	DL260 Net work Lock	<p>1.Register on front desk 2.Transmit the fingerprint information by Ethernet 3.Define the check in time and set up the overtime by software 4.Sever PC keeps the Open-Dorr record 5.The transmission between door lock is wireless. 6.Existing decoration can be retained.</p>	<p>Widely utilized in Security Company</p> <p>Hotel</p> <p>Firms</p> <p>CCTV</p> <p>etc</p>	
	DL220CR Network Lock			
	DL270 Network Lock			
	DL290 Network Lock			
	Receiver			
	Receiver (extending type)			
	Software for front desk			
	Management Software (Optional)			
	Scanner			
Safe box				



Name of Product	Model	Features	Location	Remarks	
Diamond Series of Fingerprint Safe Box 	SB350	1.Safe and theft-proof, alarm when slant 45° 2.Lock will be unlocked automatically after successful fingerprint recognition and verification. Also lock automatically.	Widely utilized in military organs public security, financial, and insurance Deps.	20' container: 380 Units 40'container: 790 Units	
	SB360	3.3 level management. Stores 8 users, 24 fingerprints. 4.Opening overtime prompt. 5.Low power prompt 6.Emergency open mode 7.Scanning time:<1s 8.Recognition time:<2s 9.Operating temperature: 5°C-45°C 10.Environmental humidity:10%-85%		20' container: 230 Units 40'container: 490 Units	
Diamond Series of Fingerprint safe box 	SB300	SIZE(mm)/WEIGHT(kg) SB360: Outside: W390×L470×H600 Inside: W325×L330×H505 95kg			20' container: 1000 Units
SB350: Outside: W345×L370×H535 Inside: W275×L240×H435 68kg SB300: Outside: W350×L290×H240 Inside: W325×L230×H205 17.5kg		40'container: 2000 Units			

Name of Product	Model	Features	Location	Remarks
<p>Fingerprint Basic Module</p> 	<p>M04</p>	<p>Dimension of window:>16mm*25mm Resolution:500 DPI Translation tolerance:<±3mm Rotation tolerance:<±15° Scanning time:≤0.6s Average fingerprint processing time:≤0.9s Average fingerprint matching time:≤0.03 FAR:<0.00001% FRR:<3% Capacity:300 users/900 fingerprints (3 FP/ per user) Voltage: DC5V±5% Current:dynamic current<160mA static current<50mA Interface:Standard UART serial port Output:collector open loop output interface Input: 5V TTL or collector open loop input interface Operating temperature: -15℃ - 45℃ Environmental humidity: 0%-95%</p>		<p>Can provide the module for 2nd time development to manufacturer of lock</p>






Model	Unique Selling Point	Specification	Optional Parts	Product Image
OA180 NEW	Stylish design, AA battery for backup, Wiegand output, Separate type secure access control, Customizable voice prompt	2007 version algorithm of high performance 512 fingerprints, 32000 records Standard RS232/485 , Optional TCP/IP, Weigand26, Size: 205(w)×140(h)×38(d)mm	TCP/IP Module USB Pen drive	
OA200 NEW	Worldwide super thin design, Display name, Customizable checking status, ID card for extended function, Wiegand output, Separate type secure access control, Customizable voice prompt	2006 version improved core module, 32bits embedded ARM system, Super dual CPU, 1760 fingerprints, 50000 records RS232/485, Standard TCP/IP, Weigand26, Dry contact output, Size: 140(w)×190(h)×30(d)mm	ID Card Reader	
OA2000 NEW	Alloy-alum casing with metallic baking paint, 10.4' industrial TFT LCD combined with touch screen, Support staff picture display, Short message, multi-media audio and multi-language interface, Super high capacity, Mutiple extended usage	2006 version improved core module, Embedded WinCE OS, Super dual CPU 3000-50000 fingerprints (customizable), 2 RS232 ports, TCP/IP, USB interface, Size: 290(w)×320(h)×50(d)mm		



Model	Unique Selling Point	Specification	Optional Parts	Product Image
AV100	Well recognized in market, High performance-price ratio, Combined access control, Bell function, Extensive function	2006 version improved core module, 1760 fingerprints, 30000 records Standard RS232/485, Optional TCP/IP or USB flash, Dry contact output, Size: 240(w)×180(h)×40(d)mm	Rechargeable Backup Battery	
			TCP/IP Module	
			USB Pen drive	
AV200	Well recognized in market, High performance-price ratio Steel casing, Industrial color LCD Combined access control, Issue notice	2006 version improved core module, 1760 fingerprints, 30000 records, Standard RS232/485 and TCP/IP, Dry contact output, Size: 330(w)×340(h)×45(d)mm		
AV300	Well recognized in market, High performance-price ratio Standing unit, Luxurious and elegant, Steel casing, Industrial color LCD Combined access control, Issue notice	2006 version improved core module, 1760 fingerprints, 30000 records, Standard RS232/485 and TCP/IP Dry contact output, Size: 350(w)×1300(h)×300(d)mm	TCP/IP Module	
			USB Pen drive	

Fingerprint Safe for Family and Hotel Use



Model	Unique Selling Point	Specification	Optional Parts	Product Image
FB100 NEW	Zinc Alloy front panel, Special and professional design, Especially for laptop keeping	8 fingerprints standard, Indoor registration and deletion key, Low power alarm Emergency power supply Size:400(w)×195(h)×410(d)mm		
FB300	Fashionable LCD, Professional design, Home and hotel mode for choice	8 fingerprint standard, 128×32 white LCD, front panel registration, low power alarm, emergency power supply Size:380(w)×300(h)×300(d)mm		
FB200B	Commercial Application, Professional manufacture, Fashionable LCD, Keypad operation, Privilege allocation for record checking	8 fingerprint standard, 128×64 blue LCD, Identification: fingerprint/PWD/fingerprint+PWD, Can check 10000pcs records, Low power alarm, Emergency power supply, Size:420(w)×690(h)×375(d)mm		

Card Access Control System











Model	Unique Selling Point	Specification	Optional Parts	Product Image
AC100	Well recognized in market, Cheap and stable, Bell function, Short messages available, Extensive function	Original RFID Card Reader made in Taiwan, Storage capacity: 2000 staff, 30000 records, Standard RS232/485, Optional TCP/IP or USB flash, Dry contact output, Size: 240(w)×180(h)×40(d)mm	Rechargeable Backup Battery	
1026kh 1200kh	The Reader offers superb reliability, consistent reading range and low power consumption in a easy to install package. Remarkably cost-effective, the feature-rich 1026 and 1029 are compatible to EM card format. 1200 compatible to Mifare card format. The Readers provides benefits and features rarely found in readers at this price range. The Wiegand is compatible with all Wiegand controllers	Card read distance: up to 8 cm. Read all 26 bits EM cards. Interface: 26 bits Wiegand. Maximum cable distance to cont rolle r: 100m. Type of cable: 8 wires shielded cable, 22 AWG. Operating Voltage Range :9 – 16 VDC Reader consumption: Standby: 85mA, Read: 100mA. Built-in audible buzzer acknowledging card reading and bicolor led acknowledging access. Hidden mounting screws deters vandalism. Operating Temp. range : -40°C to 70°C.		
1026ky 1200ky				
1026zh 1200zh				
1026zy 1200zy				


Model	Unique Selling Point	Specification	Optional Parts	Product Image
<p>1029DH 1029CH</p>	<p>Attractively designed and remarkably compact, the reader is the smallest member of the family of readers. Reader unobtrusive size blends easily with any design, and is weather resistant.</p>	<p>Card read distance: up to 8 cm. Read all 26 bits EM cards. Interface: 26 bits Wiegand. Maximum cable distance to controller: 100m. Type of cable: 8 wires shielded cable, 22 AWG. Operating Voltage Range :9 – 16 VDC Reader consumption: Standby: 85mA, Read: 100mA. Built-in audible buzzer acknowledging card reading and bicolor led acknowledging access. Hidden mounting screws deters vandalism. Operating Temp. range : -40°C to 70°C</p>		
<p>1029DB 1029CB</p>				



Time Attendance System

Model	Unique Selling Point	Specification	Optional Parts	Product Image
Professional Time Attendance System				
OA101 NEW	Desktop, Plug and play, No maintenance, Cheapest unit	2007 version algorithm of high performance 512 fingerprints, 30000 records USB cable connection Size: 160(w)×130(h)×90(d)mm		
FE900	Well recognized in market, Standing unit, Fashionable and exquisite arc design, Steel casing ,Color LCD, Big capacity and high speed	Improved core USB module, Industrial PC system, Storage capacity: 10000 fingerprint, 1: 5000<1 second, USB flash and TCP/IP standard, Size: 400(w)×1100(h)×340(d)mm	Touch Screen Double Fingerprint Reader	

Accessories

Model	Unique Selling Point	Specification	Optional Parts	Product Image
AV99 Optical fingerprint reader	High speed image collection, High quality of image Good performance, Stable	USB port, High speed of fingerprint image collection, SDK is available, Perfect instruction for re-development	SDK	
AMJ601 Access controller	Good performance but competitive price, Easy to integrate with other brand of products	2 x fingerprint reader, 2 x RS232-Tcp/ip converter, No software required	TCP/IP Module	
AMJ602 Professional Access controller	Professional access controller for projects	2-door one-way Time zone, Combined door open rights, Alarm output, RS485 network, Optional TCP/IP	TCP/IP Module	
Fingerprint strengthen membrane	Enhance the accuracy and speed of fingerprint identification, Low cost, No maintenance	High quality original material from Japan, Made in Taiwan province		
EC235 Electric bolt			Lock Bracket	
MC270L Magnetic lock			Lock Bracket	
Lock Power Supply				
RS232/RS485 Converter				
USB EM Card Reader				
Door Switch				
EM ID Card ISO				

Model	Unique Selling Point	Specification	Optional Parts	Product Image
Fingerprint Module M533A	<p>The fingerprint recognition product that developed by high speed hardware platform. The customer can use the communication protocol to do second time development. The module provides built-in UART serial port and have IIC/SPI interface. User can use on-line mode or off-line mode to do 2nd development. When using on-line mode, the connection and transmission between UART-USB conversion board and PC can be realize by demonstratting the attachment. When using off-line mode, user need to design the extended function module to transmit the data through UART interface.</p>	<p>Dimension of window:>16mm*24mm Resolution:500 DPI Translation tolerance:<±3mm Rotation tolerance:<±15° Scanning time:≤0.6s Average fingerprint processing time:≤0.9s Average fingerprint matching time:≤0.03 FAR:<0.00001% FRR:<3% Capacity:300 users/900 fingerprints (3 FP/ per user) Voltage: DC5V±5% Current: rated current<240mA Interface: UART (1200-921600) bps baud rate self adapt. Operating temperature: -20℃ - 45℃ Environmental humidity: 1%-99%</p> <p>Dimension: Board: 60mm×45mm×15mm Sensor:90mm×35mm×30mm Weight:±50g</p>		

Product Model	Unique Selling Point	Specification	Optional Parts
Fingerprint Capacitive brief case module M533B		1.Power supply: 550mAH 3.7V rechargeable lithium battery 2. Full battery can use >1000 times, the battery can be charged for >500 times. 3.Online interface:RS232/USB 4.Management level: 2offline, 12-online 5.Operating temperature: -20℃-55℃ (Wide temperature) 6.Environmental humidity: 1%-99%	
Fingerprint Safe box/Gun Cabinet Module DS300B		Dimension of window:>12mm*16mm Resolution:500 DPI Translation tolerance: <±3mm Rotation tolerance:<±15° Scanning time:≤0.6s Average fingerprint processing time:≤0.9s Average fingerprint matching time:≤0.03 FAR:<0.00001% FRR:<3% Capacity:15 users, 30 fingerprints 3 level management. Power supply:5 AA Ni-MH rechargeable battery,power adapter(When using 5 AA alkaline battery, can not use the power adapter.) Power consumption:≤10W Operating temperature: -20℃ - 45℃ Environmental humidity: 1%-99% Insulated resistance:≥100MΩ Anlistatig intensity:50Hz, 1.5KV Static discharge sensitivity:15KV, no mis action. Anti-jamming sensitivity:field strength 1V/m, 20-1000MHz	



Software

Model	Unique Selling Point	Specification	Optional Parts	Product Image
Online WEB query New				
AV Series	Time attendance software			
T Series	Access control management software			