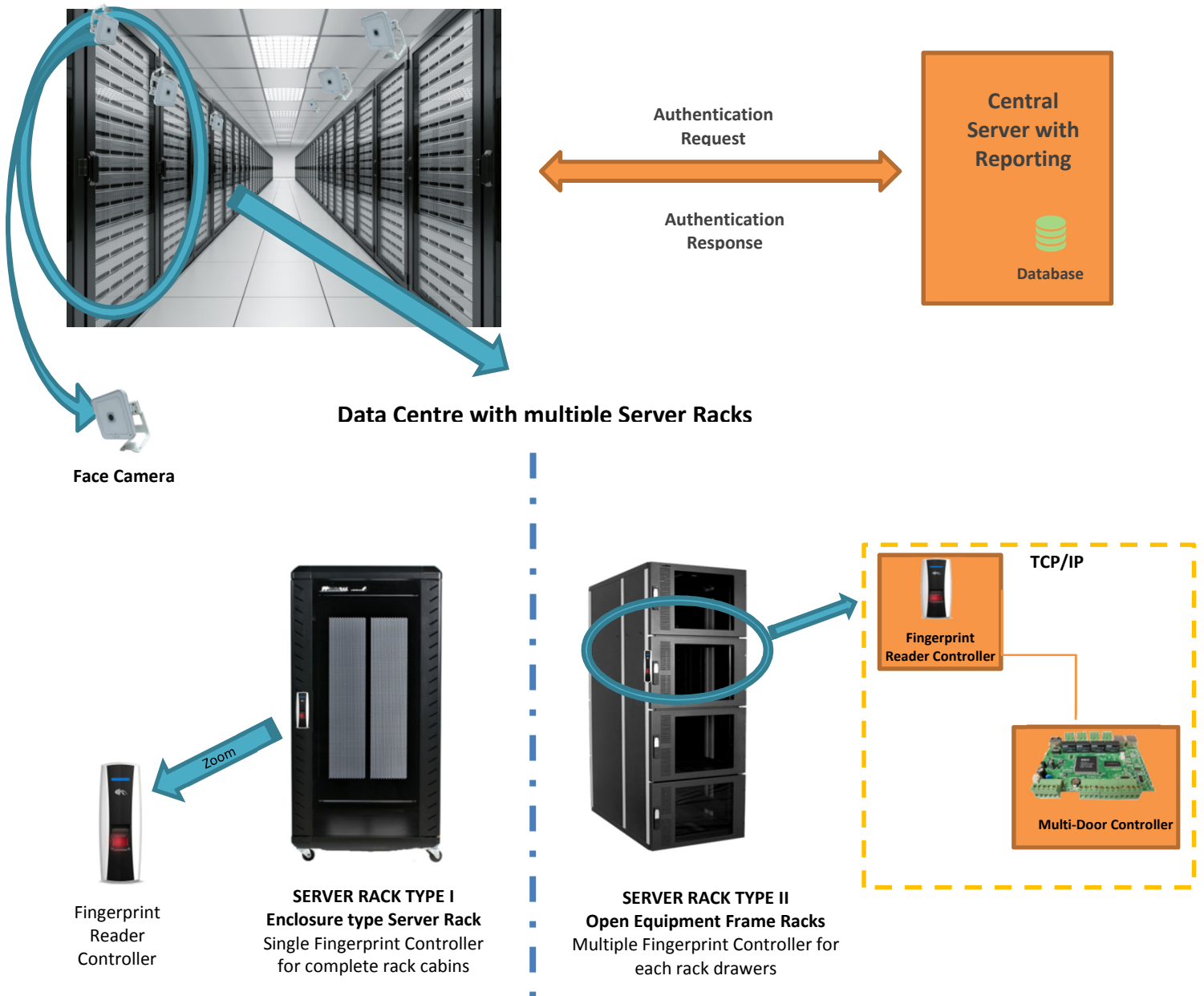


Server Rack Authentication Architecture

The architecture of Server Rack Authentication System is specially designed to protect the Server (installed on rack) from the un-authorized access. This system keeps all authentication information on the central server which can be retrieved on demand.

Server Rack Authentication System has got Fingerprint Reader with Controller & Face Camera installed on the Server Rack (See below fig). When user comes at Server Rack and gives his fingerprints on the Fingerprint Reader which is installed on Server Rack then this captured fingerprint will be matched against the database record. If user verified successfully then door controller will open the Server rack door and if user is not authorized by the system then it will not allow user to open the server rack door also at every authentication request the face camera which is installed on the server rack ,captures the user's photograph and store it on the central database



Device Specifications:

A] Fingerprint Reader with Controller



Verification Mode	Fingerprint/Card
Template Capacity	9,590
Resolution	500dpi
Sensing Area	16 x19mm
Template Size	256~384 Bytes
Image Size	272 x 320 (pixel)
1 : 1 Verification time	<600msec
1 : 1,000 Identification time	<760msec
Card Capacity	20,000
Communications	TCP/IP, Wiegand/RS485
DIO Interface	DI: 3 / DO: 1
Inbuilt Relays (Max. power loading)	Door Lock (40VAC/40VDC,2A)
System Log	1,536 entries
Entry Log	51,968 entries
Time Zone/Time Set/Group	255/120/255 Sets
Holiday	Yes
Remote Control/Event Handle	Yes/Yes
Fast Registry	Yes
Auto-Function Key	400 (BF-670W set as Controller)
Anti-Pass Back	Yes
Operation Temperature	0°C~55°C
Dimension/Weight	160x56.9x40.1mm/150g

B] Face Capture Camera



System	CPU : SoC VVTK - 1000 Flash /RAM : 4MB / 32MB OS : Linux 2.4
Lens	f = 4.09 mm, F2.0, Fixed, focus range: 70 cm to infinity
Angle of View	49.6 °(horizontal) 38.2 °(vertical)
Shutter Time	1/5 ~ 1/15,000 Sec
Image sensor	1/ 4" CMOS sensor in VGA resolution
Minimum Illumination	0.4 Lux / F2.0
Video	Compression: MJPEG & MPEG-4 Streaming: MPEG-4 streaming over UDP, TCP, HTTP or HTTPS MPEG-4 multicast streaming MJPEG streaming over HTTP or HTTPS Supports 3GPP mobile surveillance Frame rates: MPEG-4: Up to 30/25 fps at 640x480 MJPEG: Up to 30/25 fps at 640x480
Image Settings	Adjustable image size, quality, and bit rate Time stamp and text caption overlay Flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance and exposure AGC AWB AEC Supports privacy masks
Audio	Compression GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps Interface: Built-in microphone Supports audio mute
Networking	10/100 Mbps Ethernet, RJ-45 Protocols: IPv4, TCP/IP, HTTP, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS and PPPoE
Alarm and Event Management	Triple-window video motion detection 1 D/I & 1 D/O for external sensor and alarm Event notification using HTTP, SMTP, or FTP

	Local recording of MP4 files
Security	Multi-level user access with password protection IP address filtering Wireless: WEP, WPA-PSK, WPA2 (IP7134)
Users	10 users on-line monitoring at the same time
Dimension	26.9 mm (D) x 86.7 mm (W) x 87.6 mm (H)
Weight	106 g
LED Indicator	System power and status indicator System activity and network link indicator Privacy button on
Power	5V DC Power consumption: Max. 5 W (IP-7133), 6.6W (IP-7134)
Approvals	CE 、 FCC 、 VCCI 、 LVD
Operating Environments	Temperature: 0 ~ 40 °C Humidity: 20% ~ 80%RH
Viewing System Requirements	OS: Microsoft Windows 2000/XP/Vista Browser: Mozilla Firefox, Internet Explorer 6.x or above Cell phone: 3GPP player Real Player: 10.5 or above Quick Time: 6.5 or above