





NSW - Hardware Description Network System - Wiegand

QTY	DESCRIPTION	
1 per system	<p>Fingerprint Scanner - (used for enrollment and authentication)</p> <ul style="list-style-type: none"> • Is an outside unit that is used for user enrollment and authentication • It should be installed in a location that is visible and easy accessible to users. • It should be installed in a location that is visible and easy accessible to users. • The unit is spray-waterproof, and as such the mounting location should provide adequate protection against heavy rain, snow, showers, and intense sunshine exposure. • To ensure proper operation of the fingerprint scanner, it should be installed at the proper height from the ground to the center of the rough-in box (62" for Integra scanner). • The fingerprint scanner is connected to the LAN converter by 4 conductors (2 data and 2 power). Please refer to the wiring diagram for more info. 	
1 per system	<p>Power Supply –</p> <ul style="list-style-type: none"> • The system is shipped with a 9 VAC power supply. • Power is applied to the LAN converter and Wiegand adapter. • Fingerprint Scanner (outside unit) is powered by the power supply using 2 conductors. • If battery operation is desired, the system can operate on regulated 12 VDC. 12VDC power supply is not included. 	
1 per system	<p>LAN/RS-485 Converter -</p> <ul style="list-style-type: none"> • The LAN/RS-485 converter functions as a serial device manager and a translator between two sides: TCP/IP and RS-485 as explained next. • On LAN side – <ul style="list-style-type: none"> Each converter on the network should be assigned unique static IP address Each converter is connected to the network over the LAN using RJ-45 plug where the Bio-View server application is running on a server with another static IP. You can add multiple converters per system, each will have its own static IP address. • On RS485 the converter has one port that supports RS-485 for communicating with the fingerprint scanners and control units. 	
1 per system	<p>Wiegand Adapter -</p> <ul style="list-style-type: none"> • The Wiegand adapter manages communication between the ekey net system and the external Wiegand control system. One Wiegand converter is required per ekey fingerprint scanner. The Wiegand converter communicates with ekey net over the RS485 bus and communicates with the Wiegand control system using Wiegand D0/D1 and power. • Wiegand users are defined in both systems - the ekey net system and the Wiegand system. Users in both systems are identified by Facility Code & User Code as follows: <ol style="list-style-type: none"> 1. In the Wiegand Access Control system, users are setup as if it is card access user where each user is assigned a card number (consisting of Faculty Code + User Code). 2. In ekey net software, users fingerprints are enrolled as normal. Where each user is assigned a unique User Code, and each scanner is assigned a unique facility code. 3. When a user swipes his finger and gets accepted by ekey net, the proper 26 bit Wiegand format is generated and sent to the access control system that consists of Scanner ID/facility code & User Id/ user code 	
<p>1 software license per system</p> <p>Software is sold separately</p>	<p>Biometric Server & Administration Program –</p> <ul style="list-style-type: none"> • A window based services and user interface. • The services are installed on a server on the LAN that allows remote login over VPN or WAN if remote access is required. • The user interface allows user addition, fingerprint enrollment, access right definition, etc. • Audit trails are generated and stored at each scanner. Once it is online with the server, audit log data are reported in various options (text file or ODBC) as defined by the administrator. • There are three versions of the software: “Light”, “Communication” and “Business“. <p>See “Biometric software” comparison chart. http://eholovision.com/pdf/rev%20software%20specifications.pdf</p>	