



HARDWARE MINIMUM REQUIREMENTS

Portal Server

- Intel Xeon 3.4 GHz Processor
- 4 GB RAM
- 50 GB available disk space
- Screen Resolution 1280x800

Portal Client

- Intel Core i3 2.4 GHz
- 4 GB RAM
- 10 GB available disk space
- Screen Resolution 1280x800
- USB 2.0 Port(s) (if MDE Card reader and/or Biometric Enrollment devices are used)

SOFTWARE MINIMUM REQUIREMENTS

Portal Server

- Microsoft Windows 7 Professional (Windows Server 2012 R2 or better recommended)
- Microsoft SQL Server 2012 Express with Advanced Services (Included with Installer)
- Microsoft .NET 3.5 (Included with Installer)
- Local administrator rights

Portal Client

- Microsoft Windows 7 Professional (Windows 10 Professional recommended)
- HTML5 Compliant Browser (Mozilla Firefox or Google Chrome recommended)
- Local administrator rights required when printing tags or utilizing USB tag and biometric enrollment devices

NOTE: You may use an HTML5 compliant web browser on the same computer running the server application to connect to the Portal client. When connecting via a remote computer, see the network requirements section below.

NETWORK REQUIREMENTS

Communications

- 100Mbps Ethernet Network Interface (between Portal Hardware and Server/Clients)
- LAN, VPN and most properly configured WANs are supported.
- Static IP addresses are required for all Portal components including the server.

NOTE: While technically possible, Portal hardware connected via the Internet is not supported at this time.

Remote Client Connection

When using a remote client computer, you must be able to communicate with the server via IP address or DNS name on the assigned TCP Port (defaults listed below).

NOTE: When connecting over a WAN or Internet, you must setup your router to open and forward ports appropriately per the chart below. Dynamic DNS for internet connected clients is useful in cases where static IPs are not possible.

Network Ports

Portal utilizes both TCP and UDP protocols and requires the following ports be open:

TCP		UDP	
82	HTTP Client Web Interface	10002	APC
443	SSL Client Web Interface	10008	IP Terminals
1433	MS SQL	10022	EC3 Listener Port
10008	All IP Terminals	10500	Discovery
10010	API Interface		
10500	Discovery		
11010	Morpho (biometrics)		