

ChipNet3 System Configuration



Options

Workstations running ChipNet Management tools operate under a client-server relationship with the main ChipNet database. The software modules can be loaded onto any suitable network PC that meets the minimum ChipNet specification. Application terminals can simply be connected to the server over LAN/WAN or a private network. The data collection options available to ChipNet3 users are as follows:

Ethernet The recommended way to collect data from application terminals to the polling module is by using TCP/IP 10/100 Ethernet. This allows the administrator a truly live picture of what is happening as transaction data is instantaneously transmitted back to the core. In this case terminals are simply hooked straight into the campus LAN/WAN and assigned an IP address using the Terminal Installation Wizard

Off-Line All ChipNet Terminals feature powerful onboard transaction memory. Therefore, even a failure of IT infrastructure will not result in transaction loss. The terminal simply retains the data until the next time it is polled. It is also possible for terminals to be installed without a network connection, for example, a vending machine located outdoors in an area where it is not feasible to run a network connection. Data can then be polled using a laptop PC and manually downloaded into the ChipNet database.

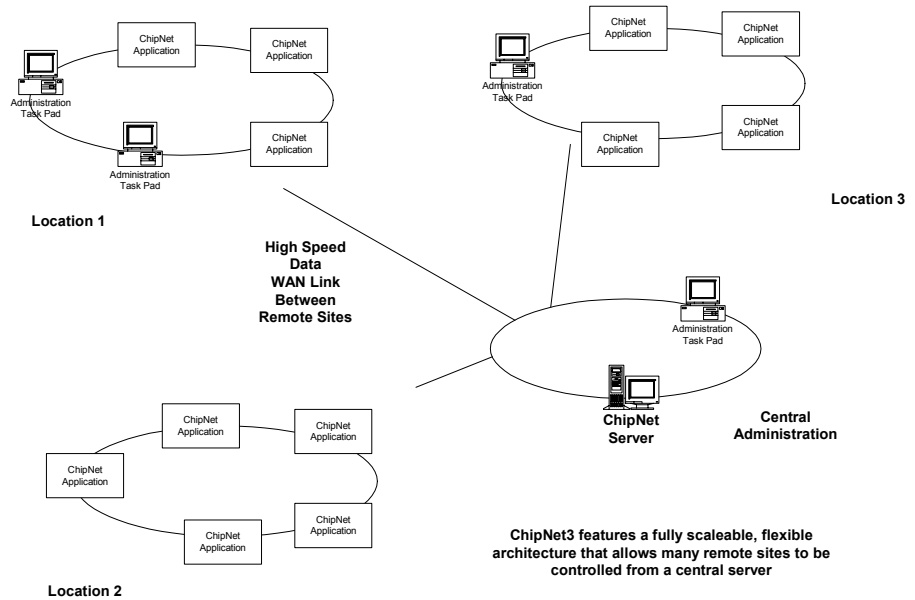
Note: Software Applications such as SmartPrint CENTRAL, the network print payment software and PC Time Billing application, record and send transaction data over the LAN/WAN to an appropriate network drive for collection by the polling module.

Recommended

Using the TCP/IP communication option gives many advantages including:

- *Terminals can be installed directly onto the campus network quickly and efficiently and locations can be moved at will providing the ultimate in flexibility for the future.*
- *All of the ChipNet3 features such as remotely managing cards with ACM and options such as dynamic pursing are available.*
- *Maximum administration flexibility is possible. Manage all functions through one single administration point or distribute the administration throughout the campus. The choice is yours. For example catering activities can be managed in one location whilst card issuance is managed in another.*

Any administrator who logs into a Task Pad only sees their own profile so administrators can move from one location to another and still have all the tools they need at their finger tips simply by logging in to an available Task Pad.



Even a campus with many remote buildings and facilities can be incorporated into a single ChipNet system as long as there is a high-speed data link/WAN/VPN infrastructure connecting each location with the central database.

ChipNet has a unique track record in supplying systems to the large WAN campuses. So you can rest assured, whether you control a small site with only a couple of hundred cardholders or run a large campus with tens of thousands of users. ChipNet3 has the power and flexibility to meet your needs.



Currently the largest ChipNet installation in the world is the Fontys Hogeschool District in the Netherlands where tens of thousands of cardholders access a central ChipNet system from over 26 geographically dispersed campus locations.

ChipNet3 – Putting Smartcards to Work!