ETHERNET TO CELLULAR DATA SERVICES FOR ACCESS CONTROL

Our ethernet to cellular wireless solution provides a seamless and rapid deployment of remote management of Parabit’s ACS-1EUL control panels. This solution eliminates the cost of hardware certification by your IT department, programming and support of your internal network services, and the installation of cable between ACS-1EUL control panels and your site network switch.

Security

Security starts with the wireless network itself. Ventus’ cellular data services are built on a PCI-compliant cellular network and has considerable built-in security. Cellular data services have a long history of securely transferring billions of financial transactions. The cellular data service transmits data over secure, encrypted IPSec VPN tunnels from each branch location to either the financial institution’s data center or Parabit’s tech support center for best-in-class remote configuration and monitoring of Parabit’s ACS-1EUL control panels.

Efficiency

A wireless cellular service securely transmits data, such as events on the health of the ACS system, ATM lobby activity, suspicious card used alerts, skimming or tamper cable cut detection, MMR® App mobile access control activity, and more. The cellular data service operates independently of a financial institution’s secure hard-wired network for connectivity, which can save time and cost of preparing, evaluating, and installing cable for each branch location. Our cellular data service saves several months’ time to establish permissions to install our ACS systems on your LAN and provides full access to all features of Parabit ACS-1EUL/IMSR/MMR® system remote facility management features.

Cellular Data Service Features

- Device Interface Support: 2 ethernet ports
- Networking Security: PCI-DSS compliant, high level encryption, stateful firewalls, and intrusion prevention
- Network Failover Configurations: Maintains wireless connectivity if primary network fails, then automatically switches back once primary service returns
- Optimize Connectivity: Engineered analytics track latency, environmental radio frequency interference, and tower congestion

Encrypted Data Flow

Parabit’s ACS Enterprise®, AFH service software, AXSView service software, and Event Message Receiver software installed on financial client’s PCs and servers, connecting with our cellular to ethernet service to ACS-1EUL control panels.
The process of connecting to an ACS control panel through the Ventus device

1. Fire utilizes ACS Enterprise® via cellular services

2. Fire Router

3. Fire Firewall

4. Internet

5. Data communication traffic travels encrypted over the public internet via a VPN connection

6. Ventus data center services

7. Ventus network organizes and forwards traffic to the corresponding Ventus modems over the cellular network

8. Ventus Cellular to Ethernet LAN

9. Each cellular tunnel connection supports up to 500 ACS-1EUL Control panels