CLAIMS

What is claimed is:

1. A mobile secure network system comprising:

a computing apparatus configured to extend a remote home network to a current location of a network device so that one or more endpoint devices at the current location of the network device can join the remote home network;

a housing supporting the computing apparatus and including a door to access the computing apparatus, the housing being constructed and arranged for mobile transport and including a back-up power supply supported thereon;

an access control mechanism to secure the housing including a credential reader communicationally connected to the door and a locking device to secure the door in a locked position, the locking device movable between a locked and unlocked position to allow access to the computing apparatus;

a security control module communicationally connected to the access control mechanism and constructed and arranged to deny access to the housing upon occurrence of one or more predefined occurrences; a local cache configured to cache data remotely that has not yet been synced with the remote home network, wherein the security control module is configured to synchronize the data on the

local cache with the remote home network; and

wherein upon access to the housing being denied by the security control module a shutdown protocol is initiated to secure the computing apparatus cached data, the shutdown protocol comprising transferring data from the local cache to the remote home network, deleting the data from the local cache, and disabling access to the remote home network.

2. The system of claim 1, wherein the predefined occurrences are selected from the group including unverified users attempting to gain access to the computing apparatus through the access control module, failure to synchronize a local cache with a remote cache on the parent network, a physical breach of the housing, and power loss.

3. The system of any of claims 1-2, wherein the local cache further includes a listing of users who are authorized to access the computing apparatus.

4. The system of any of the preceding claims, wherein to verify the users' credentials data representing the user is compared to the local cache of authorized users and, upon finding a match the door is unlocked.

5. The system of claim 4, wherein the shutdown protocol is initiated upon a predetermined number of tries by a user who is not verified upon comparison to the local cache of authorized users.

6. The system of any of the preceding claims, wherein upon a reduction in bandwidth, the security control module prioritizes the order in which data on the local cache is synchronized with the home network, with high priority activities being synchronized first and lower priority activities being synchronized afterwards with any remaining bandwidth.

7. The system of any of the preceding claims, wherein the access control mechanism is configured to deny access to the enclosure if the security module fails to synchronize the local cache with the remote home network.

8. The system of any of the preceding claims, further comprising a kill switch configured to disable access to the housing upon initiation of the shutdown protocol and which is further configured to clear the local cache and disable access to the remote home network upon a signal received due to a forced breach of the mobile secure network device from a fail secure device.

9. The system of claim 8, wherein the fail secure device is selected from the group comprising a glass shatter sensor, a lock sensor, and a power sensor.

10. The system of any of the preceding claims, further comprising a global positioning system supported by the housing wherein location of the secure network device can be tracked remotely.

11. A mobile secure network device comprising:

a computing apparatus configured to extend a remote home network to a current location of the network device so that one or more endpoint devices at the current location of the network device can join the remote home network;

a local cache of data stored by the computing apparatus;

a housing supporting the computing apparatus and including a door to access the computing apparatus, the housing being constructed and arranged for mobile transport and including a back-up power supply supported thereon;

an access control mechanism to secure the housing including a locking device movable between a locked and unlocked position to allow access to the computing apparatus;

a security control module communicationally connected to the access control mechanism and constructed and arranged to deny access to the housing upon occurrence of one or more predefined occurrences; and

wherein upon access to the housing being denied by the security control module a shutdown protocol is initiated to physically secure the housing and secure the data contained on the local cache by providing a signal to the security control module to delete the local cache and disable access to the remote home network.

12. The device of claim 11, wherein to secure the data on the local cache

the data is transferred from the local cache to the home network before being deleted.

13. The device of any of claims 11-12, wherein the predefined occurrences are selected from the group including unverified users attempting to gain access to the computing apparatus through the access control module, failure to synchronize a local cache with a remote cache on the home network, a physical breach of the housing, and power loss.

14. The device of any of claims 11-13, further comprising a kill switch to disable access to the housing by deactivating a credential reader communicatively connected to the locking device upon initiation of the shutdown protocol.

15. The device of any of claims 11-14, further comprising a fail secure device that when activated provides the signal to the security control module to delete the local cache and disable access to the remote home network.

16. A mobile secure network system comprising:

a computing apparatus configured to extend a remote home network to a current location of a network device so that one or more endpoint devices at the current location of the network device can join the remote home network;

a housing supporting the computing apparatus and including a

door to access the computing apparatus, the housing being constructed and arranged for mobile transport and including a back-up power supply supported thereon;

an access control mechanism to secure the housing including a credential reader communicationally connected to the door and a locking device to secure the door in a locked position, the locking device movable between a locked and unlocked position to allow access to the computing apparatus;

a security control module communicationally connected to the access control mechanism and constructed and arranged to deny access to the housing upon occurrence of one or more predefined occurrences; a local cache configured to cache data remotely that has not yet been synced with the remote home network, wherein the security control module is configured to synchronize the data on the local cache with the remote home network;

wherein upon access to the housing being denied by the security control module a shutdown protocol is initiated to secure the computing apparatus; and

wherein upon a reduction in bandwidth, the security control module prioritizes the order in which data on the local cache is synchronized with the home network, with high priority activities being synchronized first and lower priority activities being synchronized afterwards with any remaining bandwidth.