CLAIMS:

1. A vending refrigerator, comprising:

a control compartment comprising a processor having computer executable code configured to receive and store inventory data from said vending refrigerator;

a first dispensing shelf in data communication with said control compartment;

a first removable product dispenser on said first dispensing shelf comprising a first storage compartment storing a plurality of containers of a first product and a first dispensing drawer horizontally extensible from a bottom of said first storage compartment and configured to sequentially dispense a single one of said containers of said first product upon each horizontal extension of said first dispensing drawer from said first storage compartment, wherein said first product dispenser is configured to sequentially position one of said first product containers in said first dispensing drawer upon closure of said first dispensing drawer, and wherein said first product dispenser further comprises a movable guard movable to a position that prevents replacement of the first product back into the product dispenser through the first dispensing drawer when said first dispensing drawer is open, and prevents closure of the first dispensing drawer until removal of said first product from said first dispensing drawer;

a second dispensing shelf in data communication with the control compartment; and

a second removable product dispenser on said second dispensing shelf comprising a second storage compartment storing a plurality of containers of a second product and a second dispensing drawer horizontally extensible from a bottom of said second storage compartment and configured to sequentially dispense a single one of said containers of said second product upon each horizontal extension of said second dispensing drawer from said second storage compartment, wherein said second product dispenser is configured to sequentially position one of said second product containers in said second dispensing drawer upon closure of said second dispensing drawer, and wherein said second product dispenser prevents replacement of the second product back into the product dispenser through the dispensing drawer when said second dispensing drawer is open.

2. The vending refrigerator of claim 1, further comprising a chilled compartment and a freezer compartment.

3. The vending refrigerator of claim 2, wherein the chilled compartment and the freezer compartment each comprises the first dispensing shelf, the first product dispenser, the second dispensing shelf, and the second product dispenser.

4. The vending refrigerator of claim 1, further comprising a first product detection sensor element on said first dispensing shelf, and a second, movable product detection sensor element movable within said first product dispenser, wherein said second product detection sensor element is movable in response to a first product being positioned for loading into said first dispensing drawer, and wherein movement of said first sensor element with respect to said second sensor element generates a signal to said processor indicating the presence of a product ready for loading into the first dispensing drawer.

5. The vending refrigerator of claim 4, further comprising a first drawer position sensor element on said first dispensing shelf, and a second drawer position sensor element attached to and movable with said first dispensing drawer, wherein movement of said first drawer position sensor element with respect to said second drawer position sensor element generates a signal to said processor indicating a position of the first dispensing drawer.

6. The vending refrigerator of claim 1, further comprising a third dispensing shelf, wherein the third dispensing shelf is configured to store said first product or second product after said first product or said second product is dispensed from the first product dispenser or the second product dispenser.

7. The vending refrigerator of claim 4, wherein said first product detection sensor element is in data communication with said processor.

8. The vending refrigerator of claim 7, said processor further comprising computer executable code configured to record dispensing of product from said first product dispenser.

9. The vending refrigerator of claim 1, further comprising a first door covering a portion of said first product dispenser and positioned to block removal of said first product dispenser from said vending refrigerator, and a second door covering a portion of said second product

dispenser and positioned to block removal of said second product dispenser from said vending refrigerator.

10. The vending refrigerator of claim 9, wherein said first door is positioned so as to not extend over said first dispensing drawer, and wherein said second door is positioned so as to not extend over said second dispensing drawer.

11. The vending refrigerator of claim 9, wherein said first door further comprises a first electronic lock, and wherein said second door further comprises a second electronic lock.

12. The vending refrigerator of claim 11, wherein said first electronic lock and said second electronic lock are in data communication with said processor, said processor further comprising computer executable code configured to unlock at least one of said first electronic lock and said second electronic lock.

13. A system for dispensing products, comprising:

a vending refrigerator in data communication with a computer network, said vending refrigerator comprising:

a control compartment comprising a processor having computer executable code configured to receive and store inventory data from said vending refrigerator;

a first dispensing shelf in data communication with said control compartment;

a first removable product dispenser on said first dispensing shelf comprising a first storage compartment storing a plurality of containers of a first product and a first dispensing drawer horizontally extensible from a bottom of said first storage compartment and configured to sequentially dispense a single one of said containers of said first product upon each horizontal extension of said first dispensing drawer from said first storage compartment, wherein said first product dispenser is configured to sequentially position one of said first product containers in said first dispensing drawer upon closure of said first dispensing drawer, and wherein said first product dispenser further comprises a movable guard movable to a position that prevents replacement of the first product back into the product dispenser through the first dispensing drawer when said dispensing drawer is open, and prevents closure of the

first dispensing drawer until removal of said first product from said first dispensing drawer;

a second dispensing shelf in data communication with the control compartment; and

a second removable product dispenser on said second dispensing shelf comprising a second storage compartment storing a plurality of containers of a second product and a second dispensing drawer configured to sequentially dispense a single one of said containers of said second product, wherein said second product dispenser is configured to sequentially position one of said second product containers in said second dispensing drawer upon closure of said second dispensing drawer, and wherein said second product dispenser prevents replacement of the second product back into the product dispenser through the dispensing drawer; and

a control server in data communication with said vending refrigerator through said data network;

said processor further comprising computer executable code configured to send said inventory data to said control server.

14. The system of claim 13, wherein said processor further comprises computer executable code configured to send data to said control server indicative of historical temperatures inside of said vending refrigerator.

15. The system of claim 14, wherein said processor further comprises computer executable code configured to send data to said control server indicative of predetermined alarm conditions having been reached in said vending refrigerator.

16. The system of claim 13, said vending refrigerator further comprising a first product detection sensor element on said first dispensing shelf, and a second, movable product detection sensor element movable within said first product dispenser, wherein said second product detection sensor element is movable in response to a first product being positioned for loading into said first dispensing drawer, and wherein movement of said first sensor element with respect to said second sensor element generates a signal to said processor indicating the presence of a product ready for loading into the first dispensing drawer.

17. The system of claim 16, said vending refrigerator further comprising a first drawer position sensor element on said first dispensing shelf, and a second drawer position sensor element attached to and movable with said first dispensing drawer, wherein movement of said first drawer position sensor element with respect to said second drawer position sensor element generates a signal to said processor indicating a position of the first dispensing drawer.

18. The system of claim 16, wherein said first product detection sensor element is in data communication with said processor.

19. The system of claim 18, said processor further comprising computer executable code configured to record dispensing of product from said first product dispenser.

20. The system of claim 13, said vending refrigerator further comprising a first door covering a portion of said first product dispenser and positioned to block removal of said first product dispenser from said vending refrigerator, and a second door covering a portion of said second product dispenser and positioned to block removal of said second product dispenser from said vending refrigerator.

21. The system of claim 20, wherein said first door is positioned so as to not extend over said first dispensing drawer, and wherein said second door is positioned so as to not extend over said second dispensing drawer.

22. The system of claim 20, wherein said first door further comprises a first electronic lock, and wherein said second door further comprises a second electronic lock.

23. The system of claim 22, wherein said first electronic lock and said second electronic lock are in data communication with said processor, said processor further comprising computer executable code configured to unlock at least one of said first electronic lock and said second electronic lock.