

Guidelines for One Card Vending Card Readers

I. Vending Reader Hardware (Refer to image 1.1)

Each Vending Machine will include the following:

Vending Reader VR/MDBMP

- VR/MDBMP readers can be used in any vending machine that complies with the NAMA MDB interface specification. They use 2 types of communication Ethernet (TCP/IP) or RS-485.

*** The VR/MDBMP is proprietary equipment provided by Blackboard Inc. ***

II. Supporting Software

All one card readers and equipment use proprietary software and computer system, which has already been purchased. One Card Office will be responsible for the system parameters and programming the software to support any new blackboard reader hardware devices. Service fees will be accessed to any office or department that elects to use components of the Blackboard System.

III. Electrical Wiring Specifications

The electrical for the vending machines must ensure that each machine has a dedicated circuit to handle the load of the refrigerant compressors. Each electric drop should have a 1 to 1 ratio for the machines and outlets.

IV. Communication Wiring Specifications

The VR/MDBMP communicates by RS-485 or Ethernet connections. There is a 1 to 1 ratio when it comes to using Vending Readers. There must be 1 network drop to 1 card reader. They should also have a protective shroud on the wall case to prevent tamper, damage to the ports from the machine, or damage of the cable from the machine. The ports should be lined up behind the machines to keep the distance of the patch cable to a minimum. This distance should not exceed 400 feet from the network switch port. The data drop installations should follow the Network Infrastructure Guidelines.

Mounting Specifications –

These readers will be mounted by the Vending Vendor internally and configured by the one card office once installed.

Image 1.1

