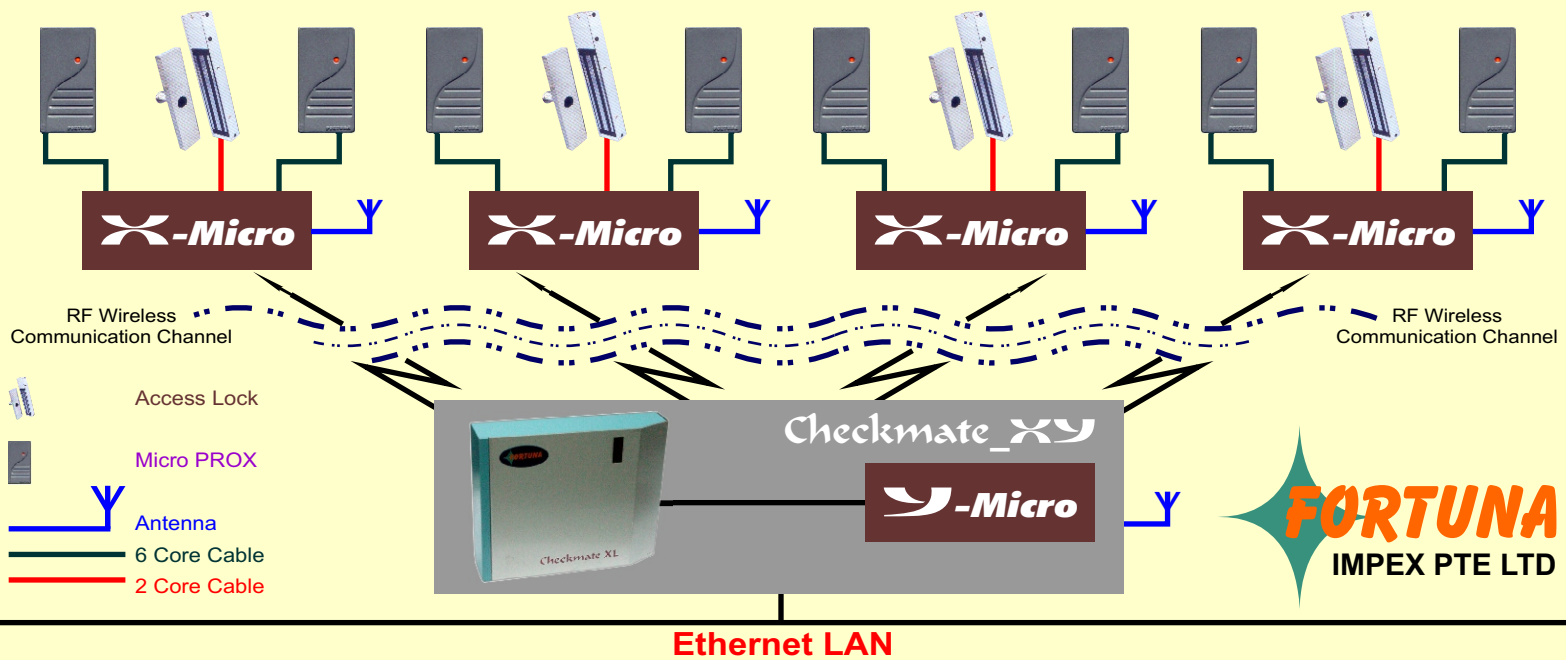


Checkmate XY



Checkmate XY

- ▶▶ Checkmate XY is a next generation Access Control Solution leveraging the advantage of Wireless Technology.
- ▶▶ This solution works in a close environment using RF Frequency 433 Mhz.
- ▶▶ This is a free band and does not require licensing for short range use.
- ▶▶ FSK mode, over the air working at 1200 bits per second.
- ▶▶ The signal can travel upto 100 mtrs. in free space (without wall structure etc.)
- ▶▶ Ideal for installation in a ready office which does not have option of cable laying.

TOPOLOGY

- ▶▶ There is a central Access Control Panel which is connected to a wireless modem (Y-Micro)
- ▶▶ Y-Micro has a unique address (user configurable) and this acts as Master in the Wireless network and is controlled by Checkmate_XL.
- ▶▶ Checkmate_XL bundled with Y-Micro is called CheckmateXY.
- ▶▶ CheckmateXY is coupled to wireless node (using RF) at door end and is called X-Micro.
- ▶▶ The Wireless node, X-Micro, is locally powered at door end using a 230V AC adapter.
- ▶▶ X-Micro can be connected to 2 nos. of conventional MicroPROX or HID Reader using standard Weigand connection, at the door end (for IN & OUT).
- ▶▶ X-Micro can be interfaced to a Lock for Access Control output and can also be interfaced to a Request-to-Exit (ReX) switch.
- ▶▶ There could be upto 4 Nos. of X-Micro in the wireless network connected to CheckmateXY (Controlling upto 4 doors).
- ▶▶ Each CheckmateXY will be connected on Ethernet LAN.

OPERATION

- ▶▶ CheckmateXY is required to be configured. The Unique Hex Address of Y-Micro is to be set once. The Time-out setting is also being configured.
- ▶▶ The X-Micro is also required to be configured for its own address Setting & address of the Y-Micro to which this is coupled.
- ▶▶ CheckmateXY, once configured & put in online mode, starts scanning the coupled X-Micro's on the RF network.
- ▶▶ X-Micro, when receives data from MicroPROX, transmits the card no. & node details to CheckmateXY (of course Wirelessly)
- ▶▶ CheckmateXY, checks the Access Rights and transmits the "Allowed" or "Denied" information to the corresponding X-Micro.
- ▶▶ X- Micro operates the relay for door operation.
- ▶▶ The Transaction Data is stored in CheckmateXY for data upload.
- ▶▶ Compro_XP Software is suitably used for this panel for configuring the same.

INSTALLATION

- ▶▶ Identify the doors, which are supposed to be Access Controlled or in other words where X-Micro need to be installed.
- ▶▶ Fix the place of installation of CheckmateXY in a centralized place based on the position of Doors it is supposed to get connected.
- ▶▶ H-Micro is a Battery operated Hand held device, which is to be taken physically to the door & is being used to check the RF signal strength There
- ▶▶ If the Signal strength is found OK for a fixed position of CheckmateXY w.r.t. all the doors (X-Micro), the setup can be frozen.
- ▶▶ In case of weak communication RF link, of any X-Micro, change suitably the position of CheckmateXY.
- ▶▶ For number of doors more then 4, install suitable no Checkmate_XY.
- ▶▶ Multiple CheckmateXY will not disturb the communication or will have cross talk within the network.
- ▶▶ Each X-Micro & Y-Micro address is required to be unique.
- ▶▶ Each X-Micro is coupled to multiple Y-Micro for traffic routing.

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