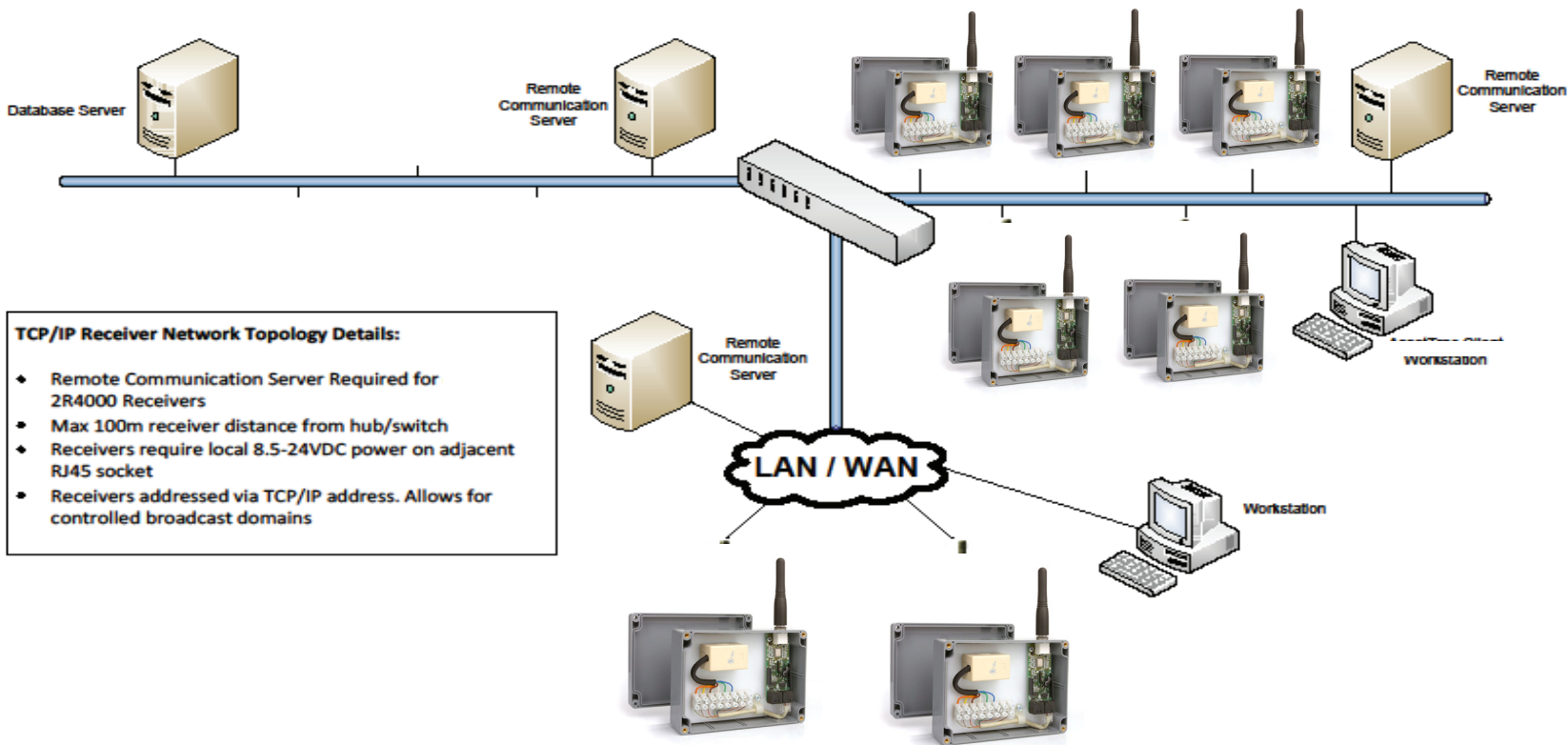**R-4000 Reader**
(Shown in a 2NEM Enclosure)

The R-4000 Reader, like all other 1st Choice Readers, detects and decodes RF transmitted signals from the 1st Choice Long Range RFID Tags. The R-4000 Reader alleviates the costs of installing new cable systems by using a building's existing CAT5 Ethernet cabling network and infrastructure.

In a multi-reader network, readers interconnect using a local or wide area network which allows ease of use and scalability from few readers to many readers residing on the network.

Features

* Use of exisiting LAN/WAN infrastructure to position readers

* Multi-reader network is scalable to suit application needs

* Very low network bandwidth utilization

* Readers are easily configured from any PC on the LAN/WAN running software

* Powered via POE RJ-45 port

* Reader status indication by LED's at RJ45 connectors.

* Adjustable Read Range:
  1'-400'- with standard Antennas Longer range with special Antennas

* Plug-in tool kit for field programming and adjustments

* Both Omni-Directional and Directional Antennas are available

* Wireless Mesh Available

R4000 TCP/IP Receiver Network Topology

TCP/IP Receiver Network Topology Details:

- Remote Communication Server Required for 2R4000 Receivers
- Max 100m receiver distance from hub/switch
- Receivers require local 8.5-24VDC power on adjacent RJ45 socket
- Receivers addressed via TCP/IP address. Allows for controlled broadcast domains

R-4000 Specifications

Frequency...................433.92 Mhz
Antenna Input.......................BNC Female
Sensitivity....................-103 dBm
Bandwidth...................700 kHz
Operational Temperature...........-40° C to +70° C
Size................................110 x63 x22 mm
Weight...........................35 grams
Max Current...............60 mA
Supply Voltage...........8.5-24 VDC
Communications........TCP / IP

For More Information Contact:

1st Choice Security Solutions