

FRONTLINE COMMUNICATOR™

Mesh Network

Wireless mesh networking is implemented over a wireless LAN. This type of infrastructure is decentralized, inexpensive, very reliable and resilient.

Mesh networks may involve either fixed or mobile devices. Mesh networks are extremely reliable since each node is connected to several nodes. Each node only needs to transmit information to the surrounding nodes. Nodes act as repeaters and transmit data to peers, resulting in a network that can span large distances, especially over rough and difficult terrains. If one node drops out of the network, due to failure, or any other reason, its neighbors simply find another route and assure non-stop proper data transfer. Extra capacity and coverage can be obtained by adding more nodes.

