



EtherSnort

ACCESS CONTROL



EtherShort Access Control utilises innovative Radio Frequency Detection and Evaluation technology developed by 3gforensics Ltd to provide a physical barrier to unauthorised mobile phones. This solution provides reliable detection and positive identification of RF sources, denying access to personnel carrying operational mobile phones.



- Petrochemical Installations
- Military Bases
- Prisons and Correctional Facilities
- Airports
- High-Security Areas

One-way access is granted into the RF shielded booth when vacant, once inside with the entrance door closed and automatically locked, a mobile phone signal inhibitor ensures that any operable device is disconnected from the network, forcing it to attempt a cell site update request. The resulting transmission from the phone is then detected to trigger an alarm and inhibit access to a restricted zone. If no active mobile phone is detected then the booth exit door is automatically unlocked and a pressure mat senses an empty booth and resets the system.

Active transmission inhibiting technology re-enforces the effects of passive RF shielding within the booth, which also serves to restrict unwanted radiation that could potentially interfere with legitimate communications. Ethersnort's well proven and reliable mobile phone detection is based upon a front end tailored to the band or bands required for any given country's networks. EtherShort utilises multi-stage logarithmic amplifiers to accurately convert radio frequency signal level to an equivalent DC voltage. Full advantage is taken of multi layer chip band pass filters, to provide high attenuation of unwanted signals. The outstanding dynamic range and accurate signal analysis makes the design particularly suitable for situations such as access control, where fast accurate and reliable detection is essential.

Typically EtherShort can be configured to detect Mobiles Phones 2G & 3G, Wide Band Jammers, unwanted Bluetooth or Wi-Fi equipment, listening devices and prohibited transmission equipment.