

ADVANCED TECHNOLOGIES FROM ISRO

Interest Exploration Note

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Phantom Connectivity

The Indian Space Research Organisation (ISRO) has developed Phantom Network Toggling Mechanism. The system comprises of an organizational network, third party network(s) (say internet), a phantom server with intermediate data storage, a toggling mechanism to isolate the organizational network from the third party network. It permits secured data communication between the organizational network and the third party network. The network toggle control is through PC parallel interface.

This is extremely useful to organizations for allowing users connected to their Intranet to send email to external world without connecting Intranet with Internet. Phantom connectivity model enables organization to copy users download data from Internet to Intranet without connecting both the networks.

SPECIFICATIONS

- Parallel Interface with cable
- Four Ethernet ports with RJ45 socket
- Intermediate PC system with sufficient data storage
- Patch cords (cross and straight with required length)

SALIENT FEATURES

- Low cost, 24X7 operated
- Easy to implement and automate operation between two network
- System power operated
- Mountable on PCI slot of the system (no extra space required)
- Script based network toggle through parallel interface
- High (100/1000 Mbps) speed data transfer
- High reliability and fully automated
- Enabling extremely high security to organizational network from external (Internet) hackers

APPLICATIONS

- To and fro email transfer between public and organization network without connecting both of them.
- File downloading from Internet (or any other network) to organization network without connecting both of them.
- Enriching usage of thin client base Internet surfing without comprising on user needs to get download data on organization network.

TECHNOLOGY TRANSFER FROM ISRO

ISRO is willing to offer the know-how of this technology to entrepreneurs / industries in India. Capable manufacturing industries in acquiring this know-how may write with details of their present activities, requirements and plans for implementation, infrastructure and technical expertise available with them, their own market assessment, if any, and plans for diversification to the address given below. Alternatively, you can also fill in the response form provided in this website.

For further details, please contact:

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