



# Fiber Optic

Distributed Stacked Core Technology

Multi Fault-Tolerant, Redundant I/O and Peer to Peer Networking

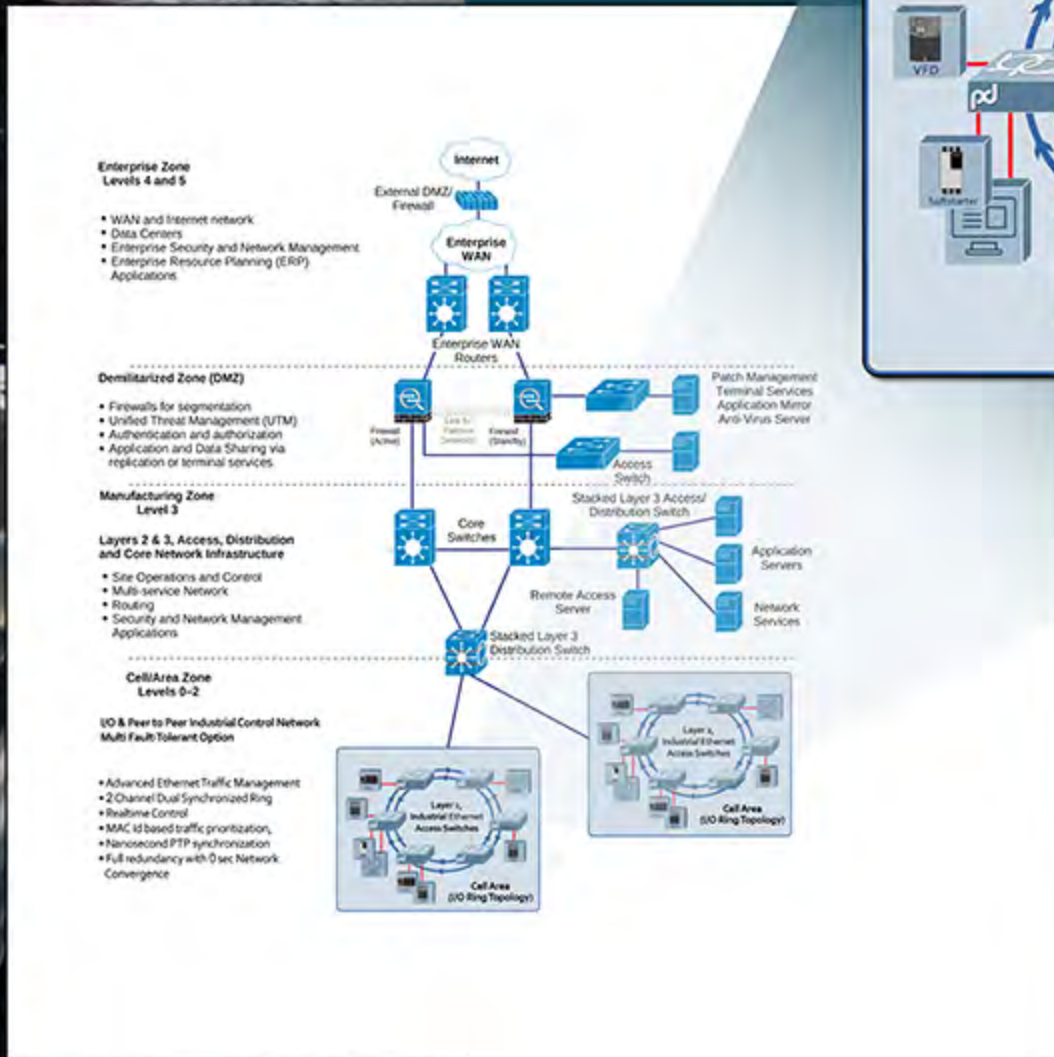
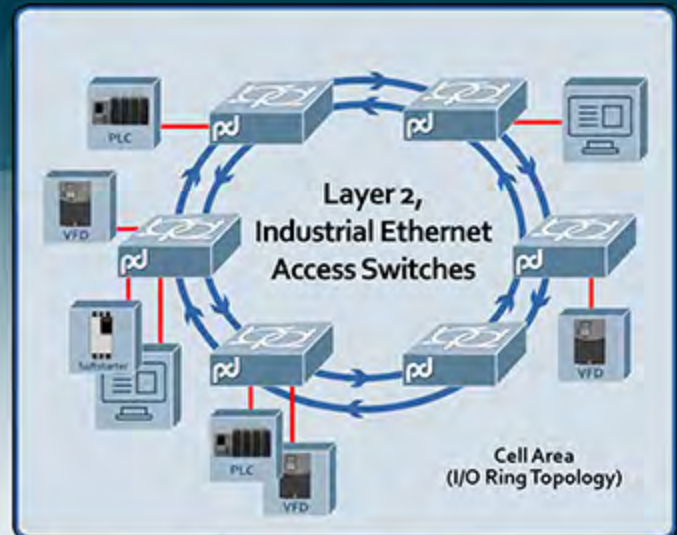


Phoenix  
Digital  
Corporation

# Multi Fault-Tolerant, Redundant I/O and Peer to Peer Networking

Redundant, High Speed, Secure, I/O and Peer to Peer industrial control networking is critical to maintain process uptime and manufacturing consistency. Implementing this level of network integration can be accomplished by any plant personal responsible for control, instrumentation or power maintenance and support. The PDC technology provides these applications the following benefits to provide faster time to market, and improved reliability, and process uptime -

- No configuration or data mapping
- No special tools, computers, or software
- 1 dip switch set up
- 0 convergence time on media failure and heal over
- 10 second full network recovery from power loss
- Plug and Play integration
- No patch management, or exposure to security vulnerabilities



# Its Time to Simplify your Network Design

## Simple to Install

Network complexity and configuration is eliminated. The PDC redundant control network is 100% plug and play. Incorporating our patented "1 dip switch" set up, your engineering and maintenance team can have the I/O network up and running in minutes, without programming, configuration, software or computers. Maintenance is even easier. Expand the network or remove a module hot and under power, set the dip switches the same as the old, reinstall and power up. The network will be stable, redundant and synchronized in under 10 seconds.



## Fast

Our packet encapsulation algorithm provides the user full speed and bandwidth for the most critical applications. This method of data transmission is very efficient, and provides the customers application 100% network capability without programming or configuration.

## Secure

We support 2 levels of security. Security through transparency, and no software configuration. You can't hack what you can't see. You can't change what you can't program. Our modules are not programmable or software configurable.



## Scalable

The redundant network ring can support 255 modules with over 1530 RJ45 ports on a single redundant ring, without programming, configuration or set up. Providing this level of network integrity in the industrial panel requires a level of complexity, programming, configuration, tools and training. Phoenix Digital Corporation provides a solid, secure, and redundant control network that integrates into the IT enterprise, without complexity that is secure and easy to own, maintain and expand.



[www.phoenixdigitalcorp.com](http://www.phoenixdigitalcorp.com)

*Simplified Industrial Networking for the Connected Enterprise*

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