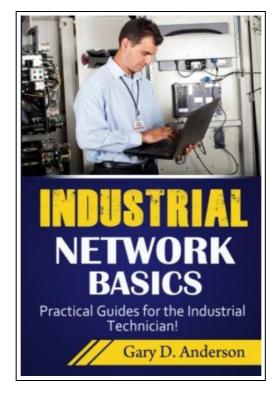
## Industrial Network Basics: Practical Guides for the Industrial Technician!



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## Reviews

It in just one of my personal favorite publication. It is among the most awesome publication i have read. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Delia Rutherford)

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Createspace Independent Publishing Platform, United States, 2014. Paperback. Book Condition: New. 230 x 154 mm. Language: English . Brand New Book \*\*\*\*\*\* Print on Demand \*\*\*\*\*\*. Industrial Network Basics is a resource that serves as a practical guide in understanding traditional network technology and protocols before moving into the essentials of the network technologies used in manufacturing, automation, machine and process control systems. Whether you work as a technician or as a design engineer, Industrial Network Basics speaks to the world of possibilities available for machine and process control in a clear and understandable language. Special emphasis is given to the unique characteristics of popular fieldbus protocols and the integration of complementary high speed backbone applications such as FF-HSE, Ethernet/IP and ProfiNet. The foremost industrial Ethernet and fieldbus applications are covered with one objective, to give the reader a solid foundation in network communications with equipment such as smart I/O blocks, programmable automation controllers, SCADA systems and a wide array of other intelligent field devices that are used in modern DCS environments. Included in the many topics covered: Physical wiring media such as UTP, STP, Coax and Fiber-optic cable and connectors Understanding how physical wiring is rated Typical network topologies Understanding Bandwidth Broadband Baseband Decimal, Binary and Hexadecimal conversion Understanding the OSI layers TCP/IP and other protocols used in both traditional networks and industrial networks Fieldbus Technologies such as FF-H1, Profibus, DeviceNet and RS-485 networks High speed backbone applications such as ProfiNet, FF-HSE, EtherNet/IP and Sercos III Allen Bradley networks, connectivity, drivers and cable interfaces.



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