



TWIN CITIES INDUSTRIAL CONTROL, INC

SINCE 1993

www.tcinc.com Automation Solutions and Wireless Communications

628 MENDELSSOHN AVE N GOLDEN VALLEY, MN 55427

763-557-6648 phone 763-557-6408 fax 866-472-6648 toll free



Licensed and Unlicensed Radios
VHF\220\UHF\900, 6%, 12.5, 25,
50kHz channels, 1-10 watts
Cellular data modems,
Fixed/Mobile with Wi-Fi and GPS, 4G



Secure Remote Connectivity
Industrial VPN Routers
Industrial M2M Gateway
Serial to Ethernet Gateway



Narrow Band Licensed/
Unlicensed Radios
State of the Art Diagnostics
Serial/Ethernet
Migration Switch Multiple Networks
LEDR Replacement



Wireless IO and Serial data radios
Ethernet Radios
Wireless Level Sensing
Wireless Stack Lights



CAN Interfaces
CAN Bridges/Repeaters
Protocol Stacks



Managed / Unmanaged Switches Ethernet
and Fiber (10\100\Gigabit) Wireless
802.11 Ethernet Radios
Media Converters
Cellular GSM & CDMA Data Modems
Industrial Telephone Modems
Ethernet I/O Modules
RTU / IO Controllers
HMI's Panels
PID Controllers
Panel Meters



Surge Protection devices
Distribution Panels
I/O Protection
Spark Gap
Load Cell
Lan & CCTV & Protection



Airmux 2.4, 3.65, 4.9, 5.8Ghz
Microwave Radios
Ethernet Services over (Fiber, DSL,
E1/T1, E3/T3, SDH/SONET, ATM)
Pseudo-wire over Ethernet
(TDM/ATM)



Ultrasonic through beam sensors
Wide Beam, Narrow Beam



Identification & Labeling Systems
All Terminal Block MFGs
Thermal/Reel Zero Waste



IP industrial camera hardware
Sophisticated camera
management software
Indoor, Outdoor, Explosion Proof



Hardened/Non-Hardened
Ethernet Switch
Media convertors
Managed/Unmanaged
Commercial Grade
Poe/Ethernet Exenders



Indoor/Outdoor Access Points
Mesh Wi-Fi
Wireless LAN Controllers
Low Cost Point to Point
Cloud Wi-Fi
POE



Wireless Training
Radio Path Analysis and Site Surveys
FCC Licensing Coordination
Application Assistance
CiTect Training
RF Spectral Analysis
Wireless Installation and Design



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OPTO 22

Groov Mobile Web based HMI
PAC Controller
Modular I/O



Remote Monitoring
Wavelet IIOT
Data Collection



PLC Programming Software for
TI505\CTI, Square D and Modicon



FACTORY STUDIO

.NET based Scada Software
Windows OS Independent
Plant Floor to/IIoT



DeviceNet, Profibus, ControlNet,
AB Network Interface cards, ASI,
CanOpen, CC Link, InterBus-S,
ModbusPlus, Reliance AutoMax,
WorldFIP interfaces I/O Simulation
Software



Anybus Embedded
Anybus Gateways
Anybus Wireless Bridge
Bolt Wi-Fi



Xpress web-based HMI Panels
Interact HMI Panels
InteractX Windows HMI Software
Flat Panel Monitors\Industrial PC's
Factory Displays (Andon\Marquee)



Siemens 500/505 series PLC
Replacements: Including CPU, Rack, Power
Supply, I/O and Com modules



Linear Motion Systems - Actuated Linear
Guides
Aluminum Machine Framing



PLC's, HMI's, Slice IO
Siemens S7 Replacement
Profibus cables & Connectors
Profinet cables & Connectors



Windows Based Alarming for SCADA
Win911/Win411



Industrial Keyboards and Mice
Wash-down, Glass
Stainless steel, Silicone
Sanitizable



DC Positioning Drives
Laser Distance Measurement
Prox, Photoeyes, Motion Sensor, Fork
Sensors
Linear Encoders
Absolute Rotary Encoders
Incremental Rotary Encoders
Wire Draw Encoders
Press Monitoring and Control
Ethernet



Custom Industrial Computers
(Rack-mount/Shoebox/Embedded/
Panel Mounted)



OPC Servers for PLC's and SCADA
IoT M2M
DATA Tunneling



IO-LINK Master Gateway
Serial Device Servers
Rocket Port Serial Cards
IOLink – Ethernet IP
Modbus Profinet
Device Master Industrial Ethernet
Gateways
Power supplies



HMI Monitors/HDMI
Remote Access
Maple Systems Replacement