

Redundant Ethernet I/O Gateway

Advanced I/O Interface with Dual Ethernet Ports

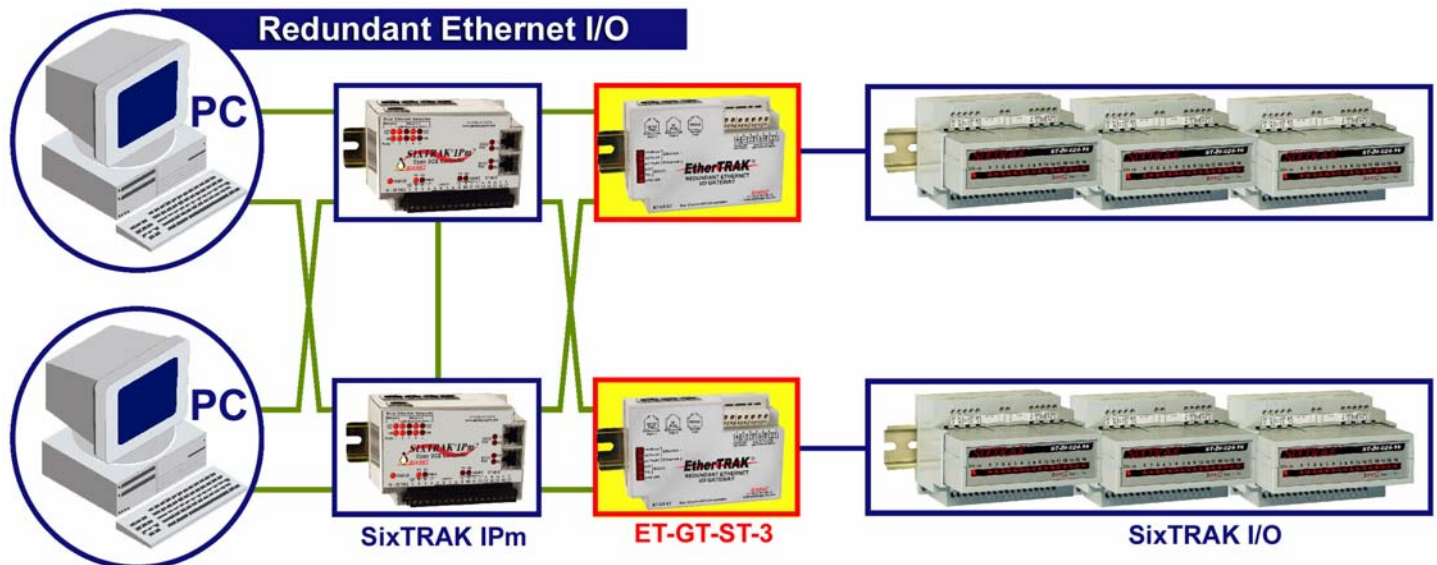


- **Redundant Ethernet Ports**
 2 unique IP addresses for redundant networking
 Provides a backup communications path
- **Flexible I/O Expansion**
 Interface to thousands of I/O
 Choose from over 20 SixTRAK I/O modules
 Also polls EtherTRAK I/O modules
- **Powerful Communications**
 Supports Open Modbus/TCP, ASCII, & RTU
 Master, Slave, and Passthru functionality
- **Easy to Use Configuration Software**
 Configure with flexible SIXNET tools
 Absolutely no programming required
- **Compact DIN-rail industrial package**
 Zone 2, UL, CSA, CE, and DNV rated
 -40 to +70°C operating temperature range

Redundant Ethernet I/O Gateway

The EtherTRAK Redundant Ethernet I/O Gateway (ET-GT-ST-3) provides a redundant Ethernet interface for distributed I/O clusters. Use this advanced gateway to ensure fault-tolerant I/O updates in your critical systems.

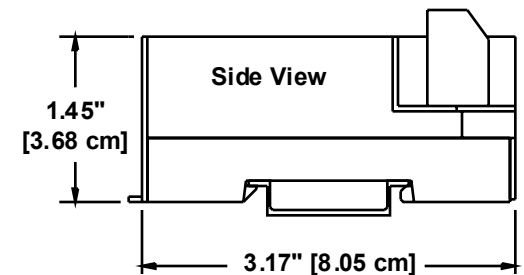
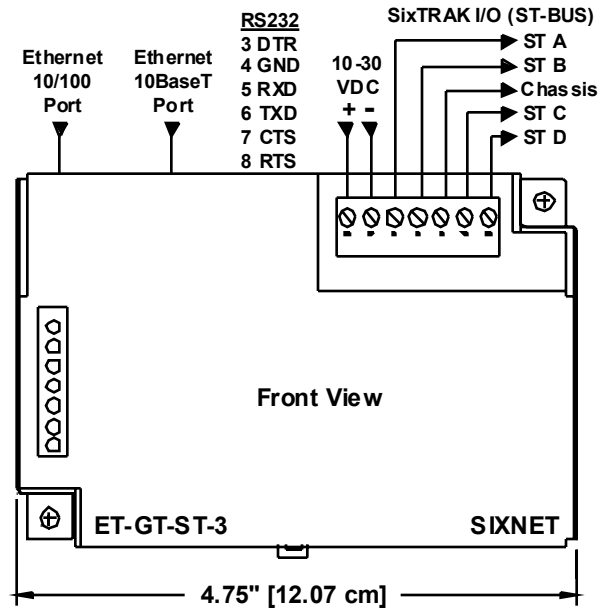
Never lose control again due to a simple cable failure!



Each SixTRAK IPm DCS Controller also has 2 independent Ethernet ports and an internal industrial Ethernet switch. Loss of any one DCS controller or Ethernet link is not critical.

Performance Specifications		
General	Redundant Ethernet I/O gateway	
Maximum I/O registers	2,048 each of analog, floats, & longs; 8,000 each of discrete inputs & outputs	
Configuration & diagnostics	SIXNET I/O Tool Kit software	
SixTRAK I/O port (ST-BUS)	Up to 20 modules (any mix)	
SixTRAK I/O channels	Up to 640	
SixTRAK I/O specs.	See individual data sheets	
ST-BUS specs.	See user manual for details	
Redundant Ethernet	2 ports with independent IP addresses	
Ethernet port 1	RJ45, 10/100BaseTx auto-detect	
Ethernet port 2	RJ45, 10BaseT at 10Mbps	
Auto-mdi/mdix crossover	Yes on both ports	
Isolation	1500 Vrms 1 minute	
Protocols	Modbus and SIXNET over TCP or UDP	
Serial port	RS232 (with RJ45 interface)	
Speed	Up to 38,400 baud	
Signals	TD, RD, CTS, RTS, DTR, GND	
Flow control	Hard, soft, & half full-duplex modem	
Protocols	Modbus RTU, Modbus ASCII, SIXNET	
Modes	Master, slave, and passthru	
Environmental	DIN rail or flat panel mount	
Input voltage	10-30 VDC (18-30 VDC when used with certain SixTRAK I/O modules)	
Input power (typical)	3 watts (less I/O modules)	
Operating temperature	-40 to 70°C	
Storage temperature	-40 to 85°C	
Humidity	5% to 95% RH (non-condensing)	
Electrical Safety	 UL 508, CSA C22.2/14; EN61010-1 (IEC1010)	
EMI emissions		FCC part 15, ICES-003; EN55022; EN61326-1
EMC immunity		EN61326-1 (EN61000-4-2,3,4,6)
Vibration	IEC68-2-6	
Hazardous locations (Class 1, Div 2.; Zone 2)	UL 1604, CSA C22.2/213; Cenelec EN50021, EEx nA II T4 X	
Marine & Offshore	DNV (Det Norske Veritas)	

Ordering Information	
ET-GT-ST-3	Redundant Ethernet I/O Gateway
Accessories	
Local I/O modules	See SIXNET ordering guide on www.sixnetio.com or request a FREE CD!
Ethernet I/O modules	
Industrial Ethernet switches	
Industrial telephone modems	
RM-PS-024-01F	AC/DC to 24 VDC power supply, 1 A
SXTOOLS-#	I/O Tool Kit software for configuration and diagnostics (Level 1 is free)
PAK#####-###	Complete Packaged System – Designed, built, and ready for installation



Accessories:



Ethernet & Local I/O Modules

Industrial Ethernet Switches



Industrial Telephone Modems