

Control Synergy has recently relocated to brand- new premises:

**Unit 3, 1 Pippita Close
Freeway Business Park
Beresfield NSW 2322**

Our new phone no. is: **49665211** and fax is: **49664522**



Silicon Systems – Industrial Grade Solid State Storage Technology



SiliconDrives are non-volatile solid-state storage solutions designed specifically for the high performance operating environments of Enterprise System OEM applications. **SiliconDrives** are ideal for systems in which high availability, multi-year product lifecycles, embedded operating system compatibility, small mechanical footprint, and low power consumption are the key design metrics.

SiliconDrive Highlights:

- ▶ 100% IDE/ATA disk drive compatible
- ▶ Fast Data Transfer rates
- ▶ High shock and vibration tolerances
- ▶ No moving parts
- ▶ Lightweight
- ▶ Low Power Consumption
- ▶ 5-Year Warranty
- ▶ Operating Temperature Range - Commercial: 0°C to 70°C / Industrial: -40°C to +85°C



[More info.....](#)

FGRHT 900 MHz: Spread Spectrum Ethernet Radios



The **FreeWave** Technologies FGR-HT is a leap forward for customers who need an industrial grade high speed Ethernet radio that operates in harsh environments and noisy RF conditions. Designed to the same high level of quality that **FreeWave** products are known for, the FGR-HT is a rugged and reliable solution that performs where other products fall apart. The FGR-HT product family supports UDP, TCP, and serial communications, all in one package. All radios are built and tested at **FreeWave's** world class manufacturing facility, with 100% temperature testing from -40°C to +60°C. Available now from Control Synergy - for further details please phone us on **02 49665211**.



Hand-Held Rugged Computer The JLT Field Tablet PC is probably the most durable handheld computer in the market. Ergonomic, easy to use and made of shock absorbing materials.

- Size:** 250 x 183 x 37 mm
- Weight:** 1,6 kg
- Processor:** 800 MHz
- RAM:** 256 MB - 512 MB
- Screen:** 8.4" Touch screen
- Operating:** -20°C to 50°C
- Water & Dust proof:** IP65
- Shock & Vibration:** MIL-STD-810F
- Drop test:** 3 feet on to concrete, 26 directions (drops).

Control Synergy
Unit 3 / 1 Pippita Cl
Beresfield NSW 2322

Phone:
02 49665211

Fax:
02 49664522





Control Synergy is proud to be appointed the Australian distributor of products designed and manufactured by **Antenex®**, Inc. These antenna and accessory products are manufactured to exacting electrical and mechanical specifications for critical applications in Defence, Public Safety, Transportation, Satellite, and Medical communications.

We offer a catalogue of top quality mobile, portable and base antenna products which utilize latest patented technologies, lean manufacturing techniques, custom automation and vertical integration. These products are widely used in wireless voice & data, security, military, asset tracking, two-way radio, public safety, and other mission critical applications.



Many of the patented technologies offer solutions unavailable from other antenna manufacturers.



[More info.....](#)

Analogue Input & Output Modules with HART Protocol

- ▶ 1756sc-IF8H & 1756SC-OF8H for Allen-Bradley with **ControlLogix PLCs**
- ▶ 1769sc-IF4IH & 1769sc-OF4IH for Allen-Bradley with **CompactLogix PLCs**

Exploit the power of your existing HART field instruments with Spectrum Controls' input and output modules with HART protocol for both the Allen-Bradley 1576 and 1769 platforms.

Obtain real-time data from your process instruments and operate a *smart network* without the need for additional wiring.

Easily perform setup calibration, commissioning and periodic maintenance functions.



FGRIO System Wire Replacement

The FreeWaveTechnologies FGRIO System provides outstanding performance and versatility in wireless transmission of process-control signals. FGRIO offers transparent acquisition, transport and reconstruction of analogue, digital and power signals, eliminating the need for associated buried wiring. The RTU requires no altered programming. The FGRIO is Class 1 Div 2 approval pending and is lower-cost and provides better signal integrity than vulnerable wiring.



Features:

- ▶ **Frequency Hopping** - Offering Communication and diagnostics from the Master to the IO Slaves.
 - ▶ **Affordable** - Low installation and long-term maintenance costs.
 - ▶ **Low latency** - Less than one second signal delay.
 - ▶ **High Accuracy** - FGRIO System analog signal fidelity is factory calibrated and drift with time/temperature is typically much less than that of transducers.
 - ▶ **Short Range/Low power** - Suitable for solar powered installations.
 - ▶ **Error Free Communications** - 32 bit CRC with automatic retransmission.
 - ▶ **Industrial Grade Specifications** - 100% tested for full performance from -40°C to +75°C.
 - ▶ **Input voltage range** - Input voltage range is 6-20 VDC at full RF output power.
 - ▶ **Power Consumption** - Operation at 6 mA at 12 VDC at 6 instrument readings per second.
 - ▶ **Noise Immunity** - Superior performance in noise congested environments.
 - ▶ **Secure** - proprietary spread spectrum technology prevents unauthorized access.
 - ▶ **Slave Radio** - Accepts 2 Digital Inputs (DI), 2 Analog Inputs (AI) and switches 2 Digital Outputs (DO).
- Master Radio** - Mirrors signals for up to 4 Slave Radios and provides a Link Alarm signal.
Wire Replacement - FGRIO Systems can be affected by interference and signal loss differently than wire



Control Synergy
Unit 3 / 1 Pippita Cl
Beresfield NSW 2322

Phone:
02 49665211

Fax:
02 49664522

