

Local or Global

Wireless Control

- PC-Laptop/GUI
- Smartphone/Apps
- Cell/Sat comm.
- Intranet/Wi-Fi
- Bluetooth
- Zigbee Mesh
- Radio Modems



WIRELESS

We have your solution to Price/Performance, And Capability/Limitations. If you know what you need, spec it out for us. If not, give us a quick call! We can offer several solutions for you our your department/projects “On Time”.

- **By Network**
Comm Sat, Cell, Internet, Wi-Fi, Ethernet
- **By Radio Frequency (RF)**
key fob-RC, Bluetooth, zigbee, radio modem, RF
- **By Light**
Light-Fiber optic, IrDA, Laser Diode, Strobe pulse
- **Mixed**
Mix/Combine wire, Repeaters, or above technologies, plug-n-play devices, or data-ports.... Other...



WIRELESS

PC-Laptop/GUI, OS

Personal or hardened computers

Touch screen panels & kiosks

Ability to house internal

or plug-in card, usb,

serial devices, or run

Cable, to and external

Antenna, or repeaters!



WIRELESS

IST
International
SMART
PHONE
APPS.....



Smartphone/Apps;

**The easiest, most performance, nicest
GUI Screen graphic applications & tools
Windows/iPhone/Droid/Other OS, etc...**



Wireless Bluetooth;

**Control any IST device or PC
From your Smartphone!!!**

**No need to have cell service
Just access **Free Bluetooth!****



WIRELESS

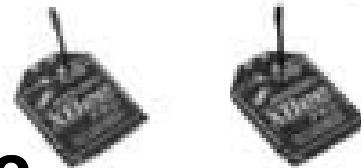
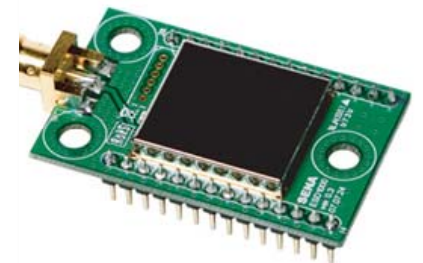
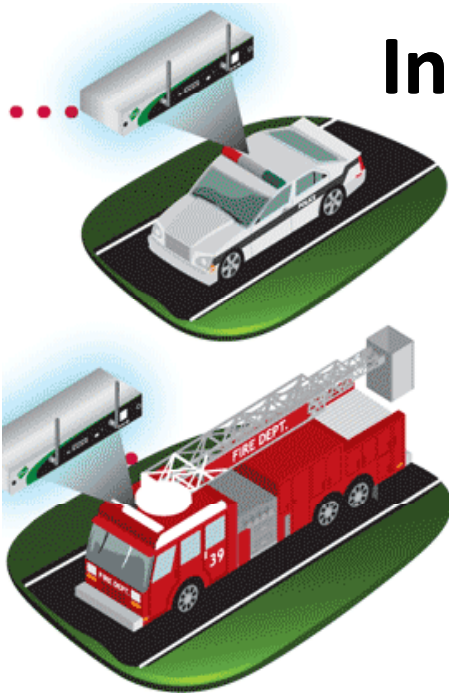
Bluetooth or Zigbee Mesh

Short Range 50-150 Feet

Long Range & Antenna 600-6,000'

Extended Range/Repeaters 1+miles!

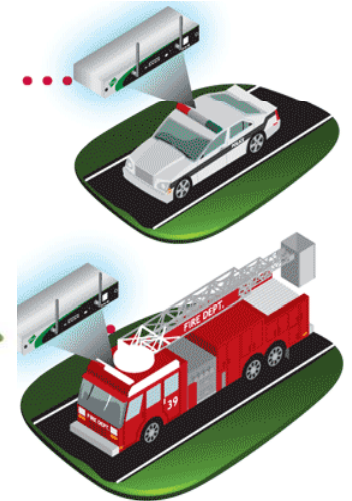
**In vehicles, intersections,
personal devices,
networked, & more**



WIRELESS

Cell & or Sat comm !!!

Tries local cost effective communication, then switches if no signal, to **Global Positioning Satellite**. Link, or upload GPS info, or security alerts, or data collection, measurement, or text/info.



WIRELESS

Intranet/ Wi-Fi

This increasingly available
And high speed communications
serves as a quick and
affordable wireless,
wired, local and Global,
plug-n-play & peripheral
protocol, and embedded
site player in location or
available IST systems.



WIRELESS

Radio Modems

Many frequencies, power, and data/video/audio, repeater, or mesh network can be set up for your needs



1watt ~2mile, 3watt ~ 5mile, 5watt 10+ miles



Radio modems act as a wireless link serial RS232/RS485, so direct cable or interchangeable and are license free, and no monthly fees, **FREE!!!**

WIRELESS

Cellular/Broadband Routers

Internet, Wi-Fi, Ethernet

Basically if you have a Cell/IP
Provider you have the internet!



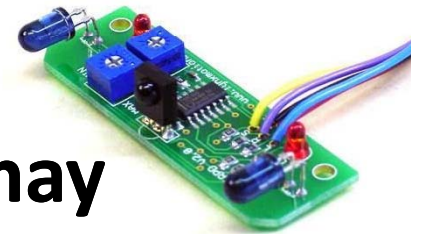
Place in any location, add solar/battery & you have
your control/network anywhere in the world.

Wi-Fi/Internet devices, computers & Smartphone's

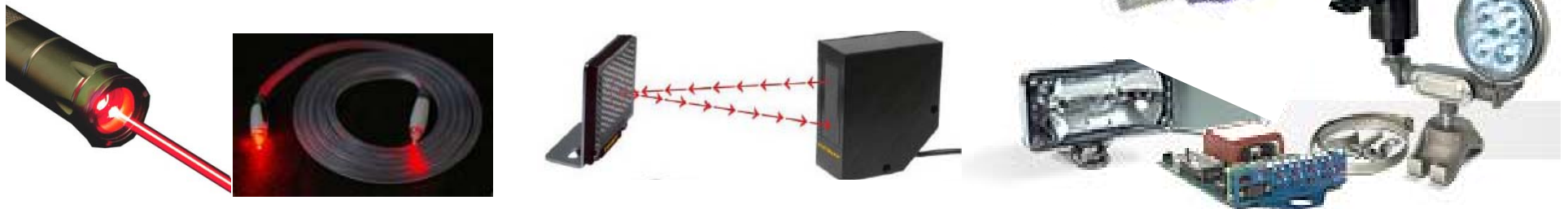
WIRELESS

Light-Fiber optic, IrDA, Laser Diode, Strobe pulse

There are many applications where you may need to use light to transmit/communicate/or as a sensor (block light OFF, non-blocked ON)



Light is clean, mostly invisible, non-radio frequency, can be high speed, etc.





WIRELESS

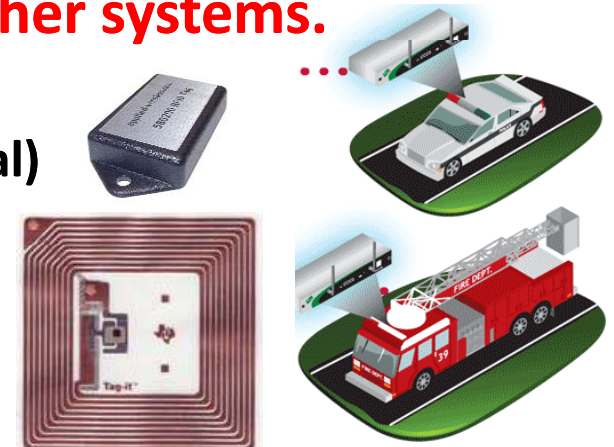


RF id/**RFID** serialized

- tags and receivers for a wide variety of uses. The Active RFID Tag automatically transmits its unique ID every 2 seconds and will operate for about a year with the included coin battery. Our affordable RFID tag is designed for long range (up to 300') application. Greater range is possible with a directional antenna.
- Interfaced to a PC or our controllers. The receiver is designed for long range applications such as asset tracking, personnel monitoring, animal tracking, telemetry (tags may be customized to transmit data), vehicle tracking and many security related applications, keyless gate entry and add to other systems.

RFID Tag Features

- Transmits every 2 seconds (factory for different interval)
- SAW Stabilized, Battery Life 1-Year
- Open-Collector Output for standalone operation
- Up to 32,768 tags may be recognized by the receiver.



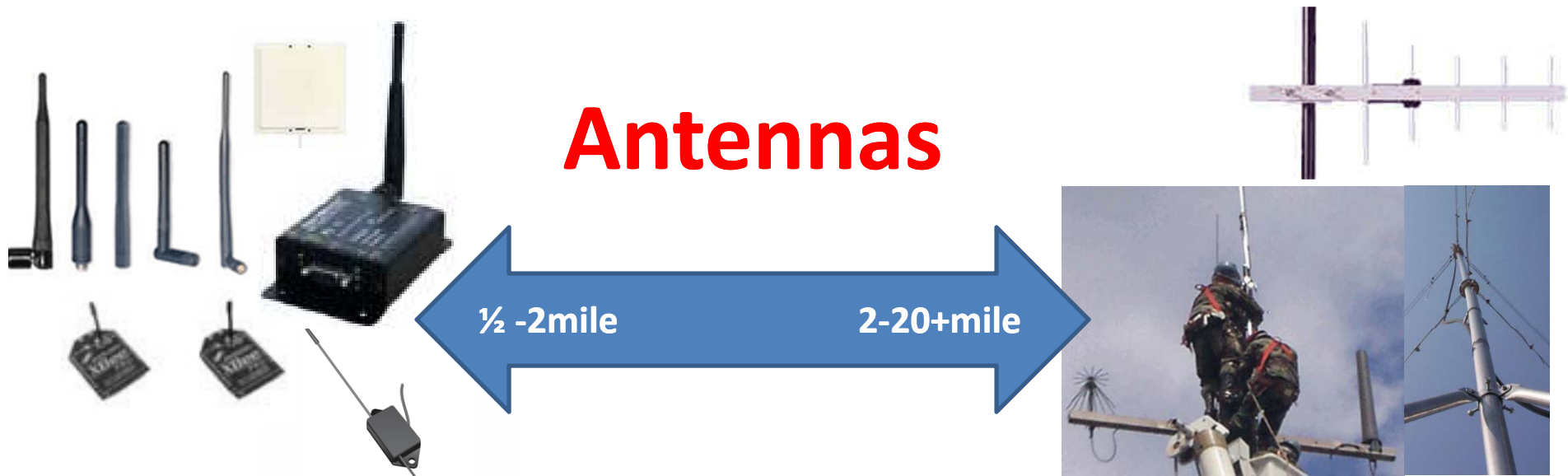
WIRELESS

Mix/Combine wire, or above technologies, plug-n-play devices, repeaters, data-ports, Other...



CALL US!!! We will work hand in hand, talk to your departments "Radio" or "IT" group, to give you the best "price & performance" and full service solutions in the industry.

1-866-466-4784

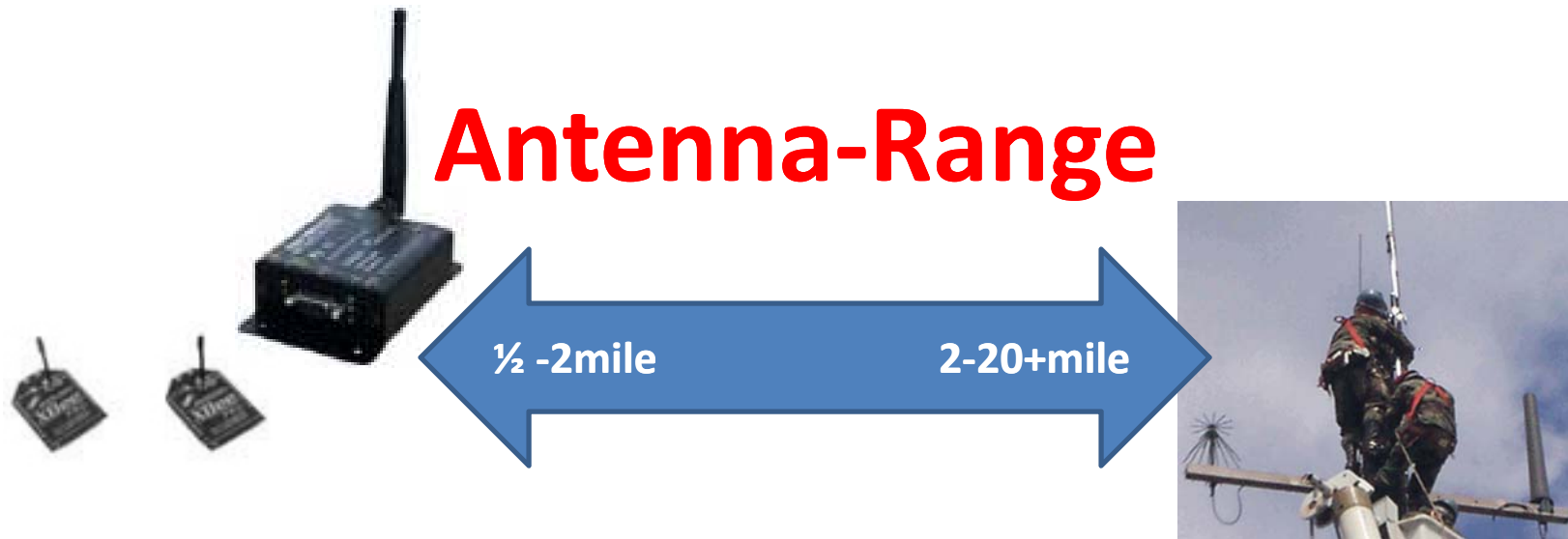


- The 2.4 Ghz , integrated into the unit, inside control box, external, cable high tower
- Simple plan is to mount control box high and clear on buildings for Base Stations, and Telephone Poles , Repeaters,
- Tower, roof stand, telephone pole, portable stand, personal tripod, many mounts, directional available.
- Omni, directional, and adjustable/programmed like at the right.
- Most radios can increase/decreases power output, for power savings, or reaching distance.

Antenna Options;

- Our 30' towers are \$1,500-\$2,500 depending on size/freq/antenna
- Also; \$500 difference in the large base antenna.
- Low power/0db Omni directional .2-.75 mile~ 1/2 mile Zigbee to the left is quoted.

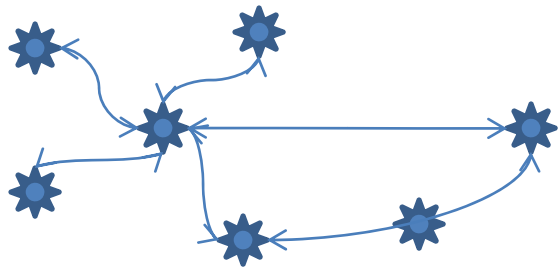




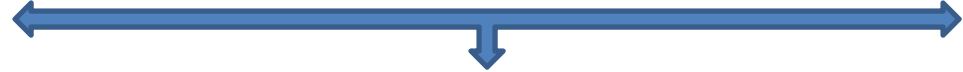
- The 2.4 Ghz Zigbee radio is integrated into control box
- Simple plan is to mount control box high and clear on buildings for Base Stations, and Telephone Poles for Repeaters and 4-8' to bottom of the Traffic Signal control box high and clear.
- Can be placed on tower, tall building, structure, telephone pole, or standard ~2" . 0db small, 3-5-10+directional available . \$50- \$500 depends of db/Frequency/distance

Antenna Options;

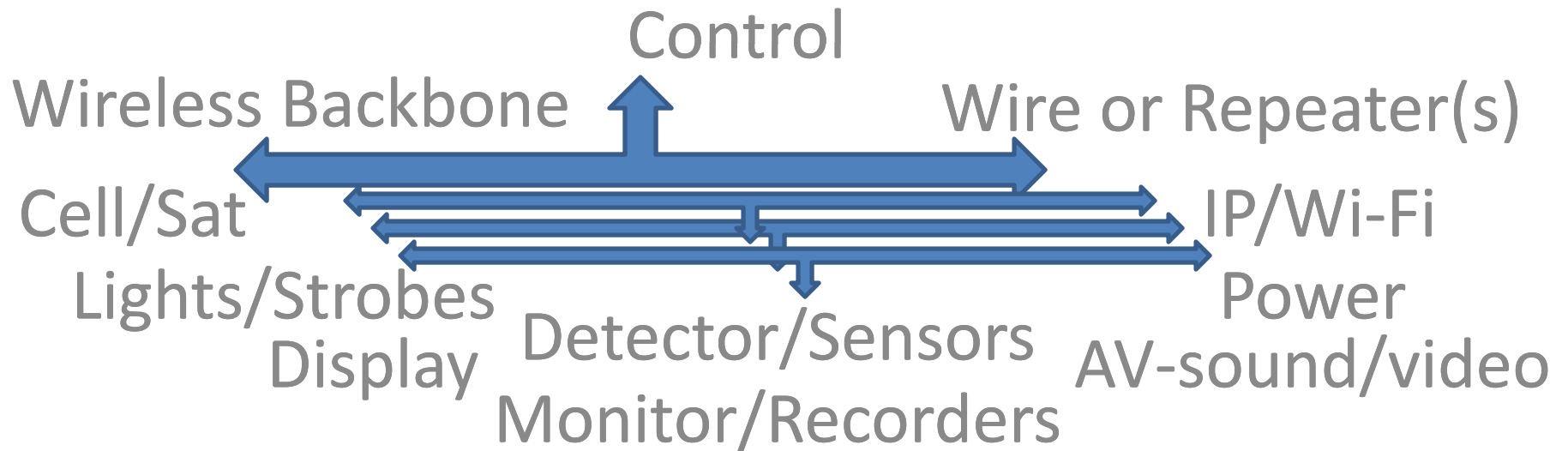
- Our 30' towers are \$1,500-\$2,500 depending on size/freq/antenna
- Also; \$500 difference in the large base antenna.
- Low power/0db Omni directional .2-.75 mile~ ½ mile Zigbee to the left above



Just add node & function



Expansion/Now & Future



And much more, Customs Etc...

Just add node & function



WIRELESS



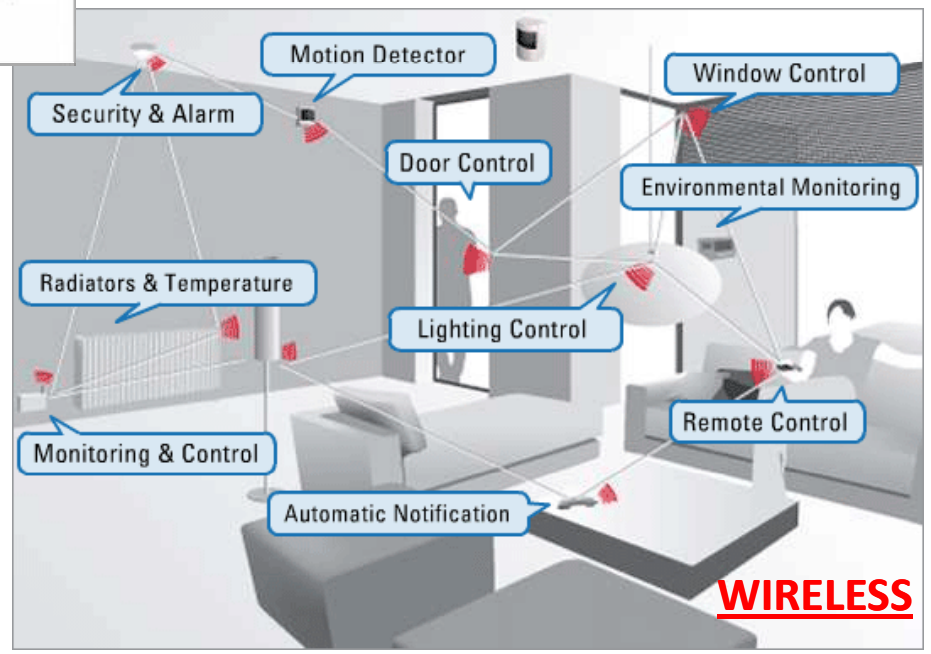
WIRELESS

**Smart Phone/
Wireless!!!**

**Network all!
Bluetooth,
Zigbee, &
Direct cell
/Wi-Fi intranet**



WIRELESS



WIRELESS

USB-GPS, Cell, IrDA
PC-card, Video, I/O, custom
CF flash memory-hard drive



Connect wireless off the shelf
USB or PC cards to
IST controllers/Software &
connect to the Internet
or devices you want to
control or monitor wirelessly



USB

IRDA Infrared Adapter
WIF-USB-LAN Wi-Fi
Cell/broadband intranet



IST
International
SMART
PHONE
APPL...

