



MODULAR®

302230

System Active Components and Tuning

By: Romer Johnson Date: 11-18-02

Active Components:

Since the 302230 is built using off-the-shelf components, all active components are at the product level. These are as follows:

ITEM	Part #	Manufacturer	Description
1.	Aironet LMC352	CISCO	100mW Wireless 802.11b 2.4GHz Radio PCMCIA Card
2.	DP-860-DB9	TIP	Ruggedized Keyboard
3.	TNA1201	TNAC	Ruggedized Computer
4.	2400LE-500mW-MM part of the Antennafier 2400L Series	RF LINX	Bi-directional Amp 2.4GHz ½ Watt
5.	GG12D	Charge Guard	12V System Protector with over/under cut-out and timer

Manufacturer Information:

CISCO Systems Inc.

320 Springside Dr.

Akron, OH. 44333

PH: 330-664-7900

FAX: 330-664-7922

www.cisco.com

TNAC: (Technic N. America Corp) now named JLT Mobile Computers Inc.

5505 W. Chandler Blvd.

Chandler, AZ. 85226

PH: 480-705-4200

FAX: 480-705-4216

www.jltmobilecomputers.com

www.tnacorp.com

TIP (Texas Industrial Peripherals)

P.O. Box 49182

Austin, TX. 78765

PH: 800-866-6506

FAX: 512-837-0207

www.ikey.com

RF LINX:

9309 Cincinnati-Columbus Rd. Suite #4

West Chester, OH. 45069

PH: 513-779-2064

FAX: 513-779-2632

www.rflinx.com

GHARGE GUARD, Inc

400 Highland Ave

Altoona, PA. 16602

PH: 800-458-3410

FAX: 814-942-7064

www.chargeguard.com

System Tuning / Calibration

No tuning or calibration is required for this system. In fact, all of the Cisco radios that have been purchased for prototyping have been already calibrated to exactly 100mW. The RF amps are also within a very tight tolerance. The numbers discussed in the RF sections of the “RF System Theory” paper should be accurate to within a dB for each installation.