

- 9500 HA (High Availability - Dual PS & Alarm Board & RAID)  
 9500 Standard  
 SNA Option (IBM PCOM SW)  
 2nd Ethernet Card  
 S900S Software, Communications Server  
 S900L Software, Communications Server



#### Multi-Host Support Software

Additional host computers 2 through 6, per host

#### Miscellaneous Support Software

Software, Win TSF Screen Formater

### 9150T Configuration Options

#### 9150T Access Point

#### 9150T DC Access Point

#### 9150T Base Station



#### 9150T Access Point - Radio Ready Only

#### 9150T DC Access Point - Radio Ready Only

#### 9150T Base Station - Radio Ready Only

#### Radio Options - Radio Ready Only

- RA2020 Radio, 802.11b, 2.4 GHz, USI  
 TRX7370 Radio, Narrow Band

#### 9150T Mini-Controller Functionality (Available for base station mode or access point mode)

9150T Configured as Mini-controller (includes 16MB RAM)  
 Dial-up Diagnostic Modem c/w Cable  
 802.IQ Option for 9150T

#### Available Emulations for 9150T Mini-Controller (Charged per terminal, per emulation)

Emulation Telnet 5250  
 Emulation Telnet ANSI  
 Emulation Telnet 3270

#### SDK's (require 9010 Emulation, charged per terminal, per emulation)

- S140 Software Development Kit for Windows NT  
 Software Development Kit for Windows VAX  
 Software Development Kit for Windows ALPHA  
 Software Development Kit for Windows UNIX

#### 9150T Access Point Radios

- RA2020 Radio, 802.11b 2.4 GHz USI

#### 9150T Base Station Radios

##### 1st Radios

- TRX7370 Radio, Narrow Band

##### 2nd Radios

- RA2020 Radio, 802.11b, 2.4 GHz, USI

#### Radio Ready Only

- RA2020 Radio Ready - Slot B

#### External Antennas

Antenna 2.4-2.5GHz, 1dBi, omni, RT SMA male, dipole  
 Antenna 2.4-5GHz, 7dBi, omni, N female, 5/8-5/8-1/4 wave  
 Antenna 2.4-5GHz, 7.5dBi, patch, SMA female, wall mounted  
 Antenna 902-928MHz, 7dBi, omni, N female, 5/8-5/8-1/4 wave whip  
 Antenna 902-928MHz, 5dBi, omni, 5/8-1/4 wave, indoor, N female, c/w N male-UHF female adapter  
 Antenna 902-928MHz, 6dBi, patch, N female, indoor  
 Antenna 406-420MHz, 5.5dBi, omni, UHF female, 5/8-1/2 wave whip, cut to frequency  
 Antenna 406-420MHz, 5dBi, omni, UHF female, 5/8-1/4 wave whip  
 Antenna 406-420 MHz, 2dBi, omni, UHF female, 1/4 wave whip, indoor  
 Antenna 406-512MHz, 0 dBi, omni, BNC-male, 1/4 wave whip, indoor

Antenna 420-440MHz, 5.5dBi, omni, UHF female, 5/8-1/2 wave whip, cut to frequency  
 Antenna 420-440MHz, 5dBi, omni, UHF female, 5/8-1/4 wave whip  
 Antenna 420-440 MHz, 2dBi, omni, UHF female, 1/4 wave whip, indoor  
 Antenna 430-450MHz, 5dBi, omni, N male, DC ground  
 Antenna 440-460MHz, 5.5dBi, omni, UHF female, 5/8-1/2 wave whip, cut to frequency  
 Antenna 440-460MHz, 5dBi, omni, UHF female, 5/8-1/4 wave whip  
 Antenna 440-460 MHz, 2dBi, omni, UHF female, 1/4 wave whip, indoor  
 Antenna 450-470MHz, 5.5dBi, omni, UHF female, 5/8-1/2 wave whip, cut to frequency  
 Antenna 450-470MHz, 5dBi, omni, UHF female, 5/8-1/4 wave whip  
 Antenna 450-470 MHz, 2dBi, omni, UHF female, 1/4 wave whip, indoor  
 Antenna 470-490MHz, 5.5dBi, omni, UHF female, 5/8-1/2 wave whip, cut to frequency  
 Antenna 470-490MHz, 5dBi, omni, N male, DC ground  
 Antenna 470-490 MHz, 2dBi, omni, UHF female, 1/4 wave whip, indoor  
 Antenna 490-512MHz, 5.5dBi, omni, UHF female, 5/8-1/2 wave whip, cut to frequency  
 Antenna 490-512 MHz, 2dBi, omni, UHF female, 1/4 wave whip, indoor  
 Antenna 2.4-2.5GHz, 7.5dBi, patch, SMA female, wall mounted, swivel mount  
 Antenna 2.4-2.5GHz, 6dBi, patch, N female, indoor  
 Antenna 2.4-2.5GHz, 12dBi, omni, N female, caution sheet  
 Antenna 2.4-2.5 GHz, 13.5dBi, yagi, N female, DC ground, polycarbonate radome, caution sheet  
 Antenna 2.4-2.5GHz, 24dBi, dish, N female, DC ground, caution sheet  
 Antenna 2.4-2.5GHz, 24dBi, grid dish, N female, DC ground, caution sheet  
 Antenna 2.4 GHz Antenna Diversity Kit - backbone

### Antenna Cables

Cable 12.5' antenna, LMR-400, N male-N male  
 Cable 25' antenna, LMR-400, N male-N male  
 Cable 25' antenna, RG213/U, N male-UHF male connectors (for 902 SS & NB)  
 Cable 50' antenna, RG213/U, N male-UHF male  
 Cable 50' antenna, LMR-400, N male-N male  
 Cable 75' antenna, LMR-400, N male-N male  
 Cable 100' antenna, LMR-400, N male-N male  
 Cable 50' LMR600 2.4GHz Low Loss Antenna N male-N male Outdoor  
 Cable 50' LMR900 2.4GHz Low Loss Antenna N male-N male Outdoor  
 Cable 100' LMR900 2.4GHz Low Loss Antenna N male-N male Outdoor

### Connectivity

9100 9100 Power Base T

### Auxillary Power Supply

Power Supply Aux for 9150 DC  
 Cord Power A/C (North America)  
 Cord Power A/C (Europe)

### Indoor Antennas

Antenna 406-512MHz, 0 dBi, omni, BNC-male, 1/4 wave whip, indoor  
 Antenna 470-490 MHz, 2dBi, omni, UHF female, 1/4 wave whip, indoor  
 Antenna 406-420 MHz, 2dBi, omni, UHF female, 1/4 wave whip, indoor  
 Antenna 450-470 MHz, 2dBi, omni, UHF female, 1/4 wave whip, indoor  
 Antenna 420-440 MHz, 2dBi, omni, UHF female, 1/4 wave whip, indoor  
 Antenna 440-460 MHz, 2dBi, omni, UHF female, 1/4 wave whip, indoor  
 Antenna 490-512 MHz, 2dBi, omni, UHF female, 1/4 wave whip, indoor  
 Antenna 902-928MHz, 6dBi, patch, N female, indoor  
 Antenna 902-928MHz, 5 dBi, omni, 5/8-1/4 wave, indoor, N-female, c/w N male-UHF female adapter  
 Antenna 902-928MHz, 0 dBi, omni, BNC male, 1/4 wave whip, indoor  
 Antenna 2.4-2.5GHz, 1dBi, omni, RT SMA male, dipole  
 Antenna 2.4-2.5GHz, 7.5dBi, patch, SMA female, wall mounted  
 Antenna 2.4-2.5GHz, 7.5dBi, patch, SMA female, wall mounted, swivel mount  
 Antenna 2.4-2.5GHz, 7dBi, omni, N female, 5/8-5/8-1/4 wave  
 Antenna 2.4-2.5GHz, 6dBi, patch, N female, indoor  
 Antenna 2.4 GHz Antenna Diversity Kit - backbone TRX 7431 Radio  
 Antenna 2.4 GHz Antenna Diversity Kit - backbone RA2020 Radio  
 Antenna Kit Intrinsically safe - 2dBi, 2.4GHz, Nf  
 Antenna Kit Intrinsically safe - 2dBi, 2.4GHz, articulated whip, Nf  
 Antenna Kit Intrinsically safe - 0dBi, 406-512 whip, Nf mount + adapter

### Indoor/Outdoor Antennas

Antenna 406-420MHz, 2dBi, omni, N male, DC ground  
 Antenna 430-450MHz, 2dBi, omni, N male, DC ground  
 Antenna 450-470MHz, 2dBi, omni, N male, DC ground  
 Antenna 470-490MHz, 2dBi, omni, N male, DC ground  
 Antenna 490-512MHz, 2dBi, omni, N male, DC ground  
 Antenna 406-420MHz, 5dBi, omni, UHF female, 5/8-1/4 wave whip  
 Antenna 420-440MHz, 5dBi, omni, UHF female, 5/8-1/4 wave whip  
 Antenna 440-460MHz, 5dBi, omni, UHF female, 5/8-1/4 wave whip  
 Antenna 450-470MHz, 5dBi, omni, UHF female, 5/8-1/4 wave whip  
 Antenna 490-512MHz, 5dBi, omni, UHF female, 5/8-1/4 wave whip  
 Antenna 406-420MHz, 5dBi, omni, N male, DC ground  
 Antenna 430-450MHz, 5dBi, omni, N male, DC ground  
 Antenna 450-470MHz, 5dBi, omni, N male, DC ground  
 Antenna 470-490MHz, 5dBi, omni, N male, DC ground  
 Antenna 406-420MHz, 5.5dBi, omni, UHF female, 5/8-1/2 wave whip, cut to frequency  
 Antenna 420-440MHz, 5.5dBi, omni, UHF female, 5/8-1/2 wave whip, cut to frequency  
 Antenna 440-460MHz, 5.5dBi, omni, UHF female, 5/8-1/2 wave whip, cut to frequency  
 Antenna 450-470MHz, 5.5dBi, omni, UHF female, 5/8-1/2 wave whip, cut to frequency  
 Antenna 470-490MHz, 5.5dBi, omni, UHF female, 5/8-1/2 wave whip, cut to frequency  
 Antenna 490-512MHz, 5.5dBi, omni, UHF female, 5/8-1/2 wave whip, cut to frequency  
 Antenna 406-430MHz, 8.5dBi, yagi, N male, 3 element, DC ground  
 Antenna 406-420MHz, 8.5dBi, yagi, N male, 3 element, DC ground  
 Antenna 450-470MHz, 8.5dBi, yagi, N male, 3 element, DC ground  
 Antenna 403-430MHz, 12dBi, yagi, N male, 7 element, DC ground  
 Antenna 430-450MHz, 12dBi, yagi, N male, 7 element, DC ground  
 Antenna 450-470MHz, 12dBi, yagi, N male, 7 element, DC ground  
 Antenna 470-490MHz, 12dBi, yagi, N male, 7 element, DC ground  
 Antenna 490-512MHz, 12dBi, yagi, N male, 7 element, DC ground  
 Antenna 406-512MHz, 10dBi, offset omni, N male, DC ground, 4 bay folded dipole  
 Antenna 406-512MHz, 7dBi, offset omni, N male, DC ground, 2 bay folded dipole  
 Antenna 406-512MHz, 4dBi, offset omni, N male, DC ground, 1 bay folded dipole  
 Antenna 902-928MHz, 7dBi, omni, N female, 5/8-5/8-1/4 wave whip  
 Antenna 902-928MHz, 7dBi, omni, N female, 5/8-5/8-1/4 wave whip, c/w N male-UHF female adapter  
 Antenna 902-928MHz, 5dBi, omni, N female, DC ground, polycarbonate radome  
 Antenna 902-928MHz, 9.5dBi, omni, N female, DC ground, polycarbonate radome  
 Antenna 2.4-2.5GHz, 5 dBi, omni, N female, DC ground, polycarbonate radome  
 Antenna 2.4-2.5GHz, 14dBi, panel, N female, 4 element  
 Antenna 2.4-2.5GHz, 24dBi, dish, N female, DC ground, caution sheet  
 Antenna 2.4-2.5GHz, 12dBi, omni, N female, caution sheet  
 Antenna 2.4-2.5GHz, 24dBi, grid dish, N female, DC ground, caution sheet  
 Antenna 2.4-2.5 GHz, 13.5dBi, yagi, N female, DC ground, polycarbonate radome, caution sheet  
 Antenna 2.4-2.5GHz, 8dBi, omni, 12o downtilt, N female, DC ground, polycarbonate radome  
 Antenna 2.4-2.5GHz, 9dBi, yagi, N female, DC ground, polycarbonate radome  
 Antenna 2.4-2.5GHz, 13dBi, 120o sector panel, N female, DC ground, w/adj tilt mtg brckt

#### Antenna Cables

Cable 50' antenna RG213/U N male-UHF male (standard with narrow band fixed mount antenna)  
 Cable 25' antenna RG213/U, N male-UHF male connectors (for 902 SS & NB)  
 Cable 12.5' antenna LMR-400, N male-N male (optional with 902MHz / 2.4GHz fixed mount antenna)  
 Cable 25' antenna LMR-400, N male-N male (standard with 902MHz / 2.4GHz fixed mount antenna)  
 Cable 50' antenna LMR-400, N male-N male  
 Cable 100' antenna LMR-400, N male-N male  
 Cable 50' LMR600 2.4GHz Low Loss Antenna N male-N male Outdoor  
 Cable 50' LMR900 2.4GHz Low Loss Antenna N male-N male Outdoor  
 Cable 100' LMR900 2.4GHz Low Loss Antenna N male-N male Outdoor  
 Cable 50' antenna Heliac, N male-N male connectors (for SS & NB)  
 Cable 100' antenna Heliac, N male-N male connectors (for SS & NB)  
 Cable 150' antenna Heliac, N male-N male connectors (for SS & NB)  
 Cable 200' antenna Heliac, N male-N male connectors (for SS & NB)  
 Cable 300' antenna Heliac, N male-N male connectors (for SS & NB)  
 Cable Adapter RG58/U, 4', rev. thread SMA male to N female  
 Cable 75' antenna LMR-400, Nmale-Nmale  
 Cable Adapter RG223/U, 3', rev. thread SMA male to N-male  
 Cable Adapter RG223/U, 3', rev. thread SMA male to SMA male  
 Cable Adapter RG223/U, 10', rev. thread SMA male to SMA male

#### Antenna Mounts

Mount Mag, 12' cable, BNC-female (antenna end) to N-male  
 Base Antenna, w/ radials, UHF female to UHF female (for indoor NB antennas)  
 Mast Antenna 2.3" dia. X 3' long

**Clamp Antenna Mast****Adapters & Splitters**

Adapter, antenna, BNC-male to N-female  
 Adapter, antenna, UHF-female to N-male  
 Adapter, antenna, Female UHF to Female N adaptor, w/ 6' cable  
 Adapter, antenna, N-male to N-male  
 Adapter, antenna, UHF-male to N-female  
 Adapter, N-female to SMA male, connects LMR ext. cbl. to ant. with SMA female  
 Adapter, N-female to N-female, connects LMR ext. cbls.  
 Adapter, N-female to N-female, bulkhead, for mounting on NEMA box or grounding plate  
 Splitter, 2 way, 406-470Mhz, 100% in to 50%x2 out, N-male in/N-female out  
 Splitter, 2 way, 406-470Mhz, 100% in to 25%/75% out, N-male in/N-female out  
 Splitter, power divider, 900MHz, NF  
 Splitter, power divider, 2.4GHz, 2way, NF  
 Splitter, power divider 900MHz, 2way, NF  
 Splitter, power divider, 2.4GHz, 2way, NF  
 Splitter, power divider, 900MHz, NF  
 Cable, 9pin to 9pin console

**Other**

Plate 9150 - Universal Mounting  
 Modem Dial-up Diagnostic c/w Cable  
 Protector Lightning .8 to 1.0 Ghz  
 Protector Lightning 1.2 to 2.8 Ghz  
 Protector Lightning 380 to 512 Mhz

Single radio Access Point, RA2060 (802.11b/g), PoE, no antenna  
 Single radio Access Point, RA2060 (802.11b/g), PoE, 30445 cable, 94070 Antenna  
 Single radio Access Point, RA2060 (802.11b/g), PoE, 30445 cable, 94070 Antenna, internal AC Power Supply  
 Dual radio 9160 with second slot RA2050 (802.11a/b/g) radio kit, no antenna  
 Dual radio 9160 with second slot RA2050 (802.11a/b/g) radio kit, 30445 cable, 94070 Antenna  
 Dual radio 9160 with second slot RA2050 (802.11a/b/g) radio kit, 30445 cable, 94070 Antenna, internal AC Power Supply

**Radios**

RA2050 Slot 2, 802.11a/b/g radio (configured either 802.11a or 802.11b/g)

**Power Injectors**

Injector, Power over Ethernet, 1 Port  
 Injector, Power over Ethernet, 6 Port  
 Injector, Power over Ethernet, 12 Port  
 Injector, Power over Ethernet, 6 Port with SNMP Mgmt  
 Injector, Power over Ethernet, 12 Port with SNMP Mgmt

**2.4GHz Antenna**

antenna, 2.4, indoor, FCC only, 2dBi screw on whip  
 antenna, 2.4, indoor, 2dBi screw on articulate  
 antenna, 2.4, indoor/outdoor, 5dBi omni fiberglass  
 antenna, 2.4, indoor/outdoor, 7dBi omni collinear  
 antenna, 2.4, outdoor, 8dBi omni 12deg dt  
 antenna, 2.4, outdoor, 12dBi omni fiberglass  
 antenna, 2.4, indoor, 6dBi patch  
 antenna, 2.4, indoor/outdoor, 8.5dBi patch  
 antenna, 2.4, indoor/outdoor, 10dBi yagi  
 antenna, 2.4, outdoor, 12dBi sector panel  
 antenna, 2.4, indoor, FCC only, 14dBi 4-element panel  
 antenna, 2.4, indoor/outdoor, FCC only, 14dBi yagi

**5GHz Antenna**

antenna, 5, indoor, 4dBi screw on articulate  
 antenna, 5.1-5.3, indoor/outdoor, 6dBi omni  
 antenna, 5.1-5.3, indoor/outdoor, 10dBi omni  
 antenna, 5.4-5.8, outdoor, 12dBi omni  
 antenna, 5.1-5.3, indoor/outdoor, 10dBi sector 60deg  
 antenna, 5.1-5.8, outdoor, 18dBi panel

antenna, 5.2-5.8, outdoor, 28dBi dish

**Antenna Cables and Adaptors**

cable, LMR200 3' 0.7dB@2.5G

cable, LMR400 12.5' 1.0dB@2.5G

cable, LMR400 25' 1.9dB@2.5G

cable, LMR400 50' 3.6dB@2.5G

cable, LMR600 50' 2.4dB@2.5G

cable, LMR900 50' 1.6dB@2.5G

cable, LMR900 100' 3.0dB@2.5G

cable, ANT Adapter RTSMAM-Nf 18" LMR240 1" MIN Bend Radius

cable ANT Adapter RTSMAM-Nm 18" LMR240 1" MIN Bend Radius

cable ANT Adapter RTSMAM-Nm 36" LMR240 1" MIN Bend Radius

**Other Accessories**

feedthrough, bulkhead, Nf-Nf

tape, weatherproofing

Antenna Pan/Tilt Mount For Use With 9001951 Patch

Antenna Bracket For 9002008/9

KIT UNIVERSAL QUICKMOUNT W/GND

Lightning protector

Kit, Diversity

**Intrinsically Safe Accessories**

antenna mount, explosion proof, RPSMAplug-Njack

AF2100 Gateway Wireless Security

AF7500 Gateway Wireless Security