The A-910-2.4ZB computer interface is a small, compact USB dongle wireless receiver that communicates with up to 99 2.4GHz ZigBee® targets. Power is supplied by the laptop computer’s USB port and the system IDs can be changed in the software, unlike those of the A-910-900/2.4, which are changed via switch settings.

**A-910 Radio Transceiver/Hub (900 MHz and 2.4 GHz)**

Hamar Laser’s A-1519/1520 Type II Universal Wireless Targets incorporate a built-in radio transceiver, available in 900 MHz or 2.4 GHz ISM band. Operating through the A-910 Radio Transceiver/Hub, up to 99 Type II Targets may be connected as a Target System Group, and up to ten Target System Groups consisting of 99 targets per group may be used at one time. Power is supplied by a 3.5 volt lithium ion, rechargeable battery or by the computer’s USB port. When connected to the USB port, the battery charges automatically.

The 900 MHz model has an indoor range of 300 feet (91 meters) and the 2.4 GHz model has an indoor range of 600 feet (1.83 meters). Data transmission is 4 mW and 50 mW respectively.

**R-358 Computer Interface**

The R-358 computer interface provides exceptionally high resolution (.00001" or 0.25 microns) for downloading target data to Hamar Laser’s alignment software. The interface attaches to the computer with an RS-232 cable, and it is powered by a lithium ion battery for long life and usage. An AC adapter/charger is provided, and the unit features LED charging and power indicators. Also available is a standard-resolution version (.0001" or 2.5 microns). The R-358 interface can support two single-axis or dual-axis targets, (a 10-foot splitter cable is available as an accessory for operating dual-axis targets) or one 4-axis target.
Specifications

A-910-2.4ZB Computer Interface
A-910 Transceiver/Hub
R-358 Computer Interface

A-910-2.4ZB
RF Data Rate: 250 kbps
Indoor Range: 133’ (40 M)
Transmit Power: 1.25 mW (+1 dBm)/2 mW (+3 dBm) boost mode
Serial Interface: 3.3V CMOS UART
Frequency Band: 2.4 MHz
Certification: FCC (US): OUR-XBEE
IC (Canada) 4214A-XBEE
ETSI (Europe)
C-Tick (Australia)
Front Dimensions: 3.33 W x 1.20 H x 5.25 D (84.6 mm x 304.5 mm x 133.4 mm)
Weight: 8.8 oz. (249.5 grams)

A-910 Transceiver/Hub (900 MHz/2.4 GHz)
Size: 3.33” W x 1.20” H x 5.25” D (84.6 mm x 304.5 mm x 133.4 mm)
Weight: 8.8 oz. (249.5 grams)
Power: 3.5 V, lithium ion rechargeable battery or computer’s USB port
Battery life: 8 hours continuous operation
Radio Specifications:
Indoor Range 900 MHz model: Up to 300 feet (91 M)  2.4 GHz model: Up to 600 feet (183 meters)
Transmit Power 900 MHz model: 4 mW  2.4 GHz model: 50 mW
Radio Frequency 900 MHz model: 902-928 MHz, Frequency Hopping  2.4 GHz model: 2,4000-2,4835 GHZ, Frequency Hopping

R-358
Size: 3.33” W x 1.20” H x 5.25” D (84.6 mm x 304.5 mm x 133.4 mm)
Weight: 3 oz. (85 grams)
Power: 3.5V, 1350 mAh lithium ion rechargeable battery
Battery life: 8 hours continuous operation
Resolution: .00001 inches (0.25 microns)

Agency Certifications for the 900 MHz Radio Transceiver
FCC (United States of America) Certification
Contains FCC ID: OUR-9XCITE
The enclosed device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) This device must accept any interference received, including interference that may cause undesired operation.
RF EXPOSURE WARNING: This equipment is approved only for mobile and base station transmitting devices, separation distances of (i) 20 centimeters or more for antennas with gains < 6 dBi or (ii) 2 meters or more for antennas with gains > 6 dBi should be maintained between the antenna of this device and nearby persons during operation. To ensure compliance, operation at distances closer than this is not recommended.
IC (Industry Canada) Certification
Contains Model 9XCite Radio (900 MHz), IC: 4214A-9XCITE
Agency Certifications for the 2.4 GHz Radio Transceiver
FCC (United States of America) Certification
Contains FCC ID: OUR-24XTREAM
The enclosed device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) This device must accept any interference received, including interference that may cause undesired operation.
RF EXPOSURE WARNING: This equipment is approved only for mobile and base station transmitting devices, separation distances of (i) 20 centimeters or more for antennas with gains < 6 dBi or (ii) 2 meters or more for antennas with gains > 6 dBi should be maintained between the antenna of this device and nearby persons during operation. To ensure compliance, operation at distances closer than this is not recommended.
IC (Industry Canada) Certification
Contains Model 24XStream Radio (2.4 GHz), IC: 4214A-12008
Complies with IC ICES-003
C-TEC
Agency Certifications for the XBee® 802.15.4 Series 1
FCC (United States of America) Certification
Contains FCC ID: OUR-XBEE
IC (Industry Canada) Certification
Contains Model XBee 802.14.4 IC:4214A-XBEE
Complies with ETSI (Europe), C-TEC (Australia) and Telec (Japan)
Technical Data:
OEM radio transceiver, model number: 24XStream
Frequency band: 2400.0 - 2483.5 MHz
Modulation: Frequency shift keying
Channel spacing: 400 kHz
ITU classification: 409KFD
Output power: 100 mW EIRP max.
Notified body number: 0891

*The radio transceiver contained in the A-1519/20 Unitarget is manufactured by MaxStream*. For more information pertaining exclusively to the radio transceiver, please contact MaxStream at (800) 765-9885 or visit their website.