

Operational Description

1 FCC 15.203 ANTENNA REQUIREMENTS

The antennas are internal to the EUT and not readily available to be modified by the end user. They are in a location where there are no user serviceable parts. The antennas are attached to the PCB via unique miniaturized connectors. Therefore, it meets the 15.203 Requirement.

2 PRODUCT DESCRIPTION

The Grayhill Industrial Handheld Computer is a rugged handheld computer designed for use in heavy industrial or commercial applications. The Handheld provides wireless connectivity and mobile personal computing for personnel who work in extreme environments.

The Handheld computer has a Bluetooth operating from 2402 to 2480 MHz and a Wifi 802.11b transmitter operating from 2412 to 2462 MHz.

Summary of Features

Environmentally Sealed and Submersible

Daylight Viewing Ability

3.5" VGA (640x480) or QVGA (320x240) Transflective Display

Ruggedness: Solid frame; industrial-strength high impact touch screen

Dimensions: 7.6" x 3.3" x 1.7"

Weight: 20oz. with battery

Operating System: Windows CE 5.0

Processor: Intel XScale PXA260 416 MHz

Long Battery Life: 8 hours at maximum power consumption

64 MB RAM and 64 MB Non-Volatile Flash Memory: No loss of data upon hard reset

Auxiliary Storage Capabilities: Secure Digital / Compact Flash

Multiple On Board Wireless Options: WiFi (802.11x), Bluetooth

Wired Connections: Active Sync and USB via cable

Audio: Speakers and Microphone

Typical Uses

Wireless communications solve difficult industrial and commercial communications problems. Communications using radio waves can be made over long distances, through the heat of blast furnaces and the cold temperatures and precipitation that may be present at outdoor sites. Whether working in construction, manufacturing, mining, or other physically demanding jobs, field personnel will find the Grayhill Handheld useful not only because of its comprehensive communications options, but also because the Handheld can withstand hard knocks, dusty job sites, extreme temperatures, rain, snow, and even submersion in water.

Handheld Product Components

The portable Handheld product is housed in a 7.6" x 3.3" x 1.7" hard plastic frame that features a rubber boot for added durability, and provides an 3.5" VGA or QVGA display with a rugged 5 wire touch screen. The Handheld has 2 keypads, one for navigation and one for numeric entry. Product items that accompany the Handheld product are a Lithium Ion battery or Lithium Polymer Battery, an AC adapter that includes USB Active Sync and USB Host, and a companion CD with an electronic version of this guide.

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