



# IntelliPad

# User Guide

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## 1. Introduction

This User Guide provides information for the Vue Technology IntelliPad device. The User Guide includes LED definitions, port descriptions, and configuration information.

## 2. Product Description

The Vue Technology IntelliPad is a hardware device that connects to a RF reader, the Vue Technology ItemTrack Server, and a hand-held barcode scanner.

The device allows the user to read and/or write EPC and barcode information to and from RFID tags that are placed on the IntelliPad or scanned via the barcode scanner.

## 3. Firmware

The IntelliPad is shipped with the current firmware version. Contact Vue Technology ([www.vuetechnology.com](http://www.vuetechnology.com)) for information about obtaining firmware upgrades.

**Note:** Ensure that power is not interrupted during a firmware upgrade.

## 4. Physical Connections

The IntelliPad hardware form factor consists of a circuit board, microprocessor, RF antenna, and moulded plastic housing.

External indicators include:

- Status lights – 3 large top-mounted LEDs (Red, Green, and Yellow).
- Audible buzzer embedded in the top panel.
- 3 small side-mounted LEDs (Green, Green, and Green).

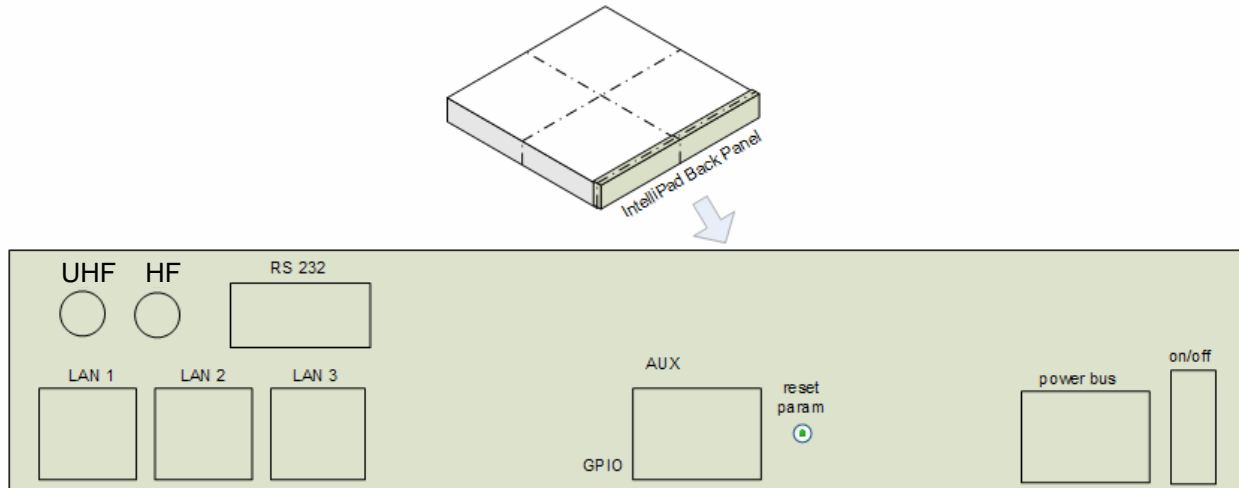
### 4.1.1.1. Back Panel Description

External connections:

- 10/100 Mbit Ethernet port for connection to IntelliManager.
- 10/100 Mbit Ethernet port to daisy chain to next IntelliPad.
- 10/100 Mbit Ethernet port for (opt) LCD monitor or third party product.
- 85 QMA 50-0-3 PCB Jack (HF RF in connector). The HF port is not supported in the current version of this product. Do not connect any device to the HF port.
- 1.0/2.3 R/A PCB Jack (UHF RF in connector).
- DB-9 connector, for RS-232 scanner input.

**Note:** Uses only TX, RX, CTS, RTS pins.

- 2.5 mm ID, 5 mm OD, 9-24 VDC power input jack, + center pin.
- 2.5 mm ID, 5 mm OD, 9-24 VDC power output jack, + center pin input power to this IntelliPad, output power to optional next IntelliPad in daisy-chain.
- Power On/Off switch. When off, this IntelliPad will power down, but power will still be supplied to 24 VDC power output jack.

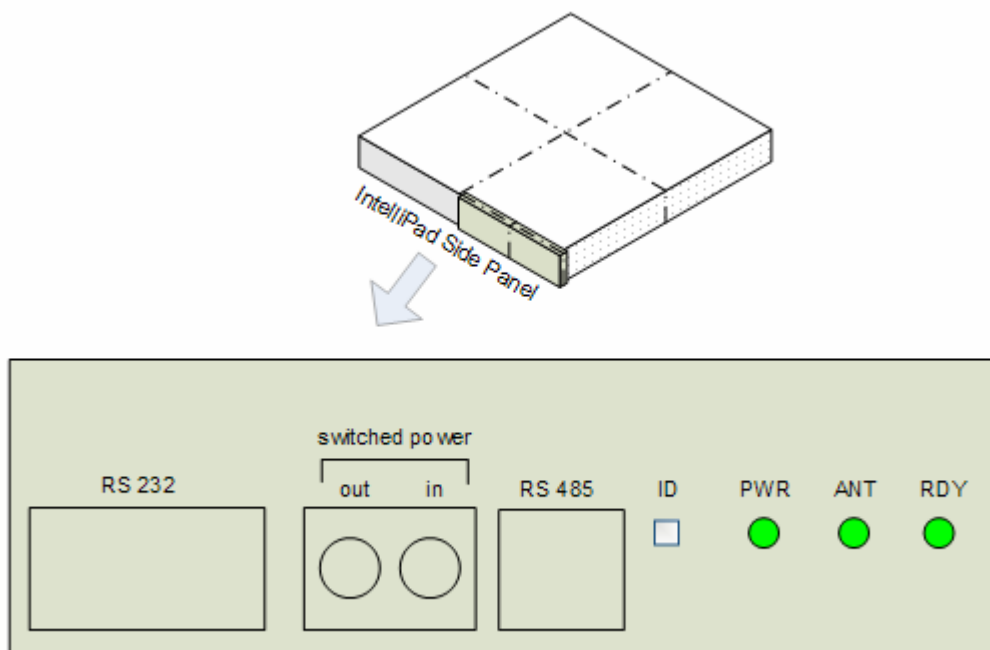


IntelliPad Back Panel

#### 4.1.1.2. Side Panel Description

External connections:

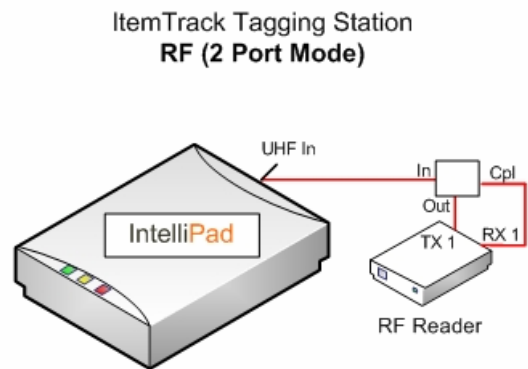
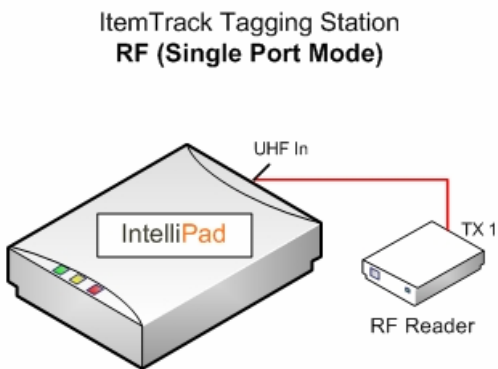
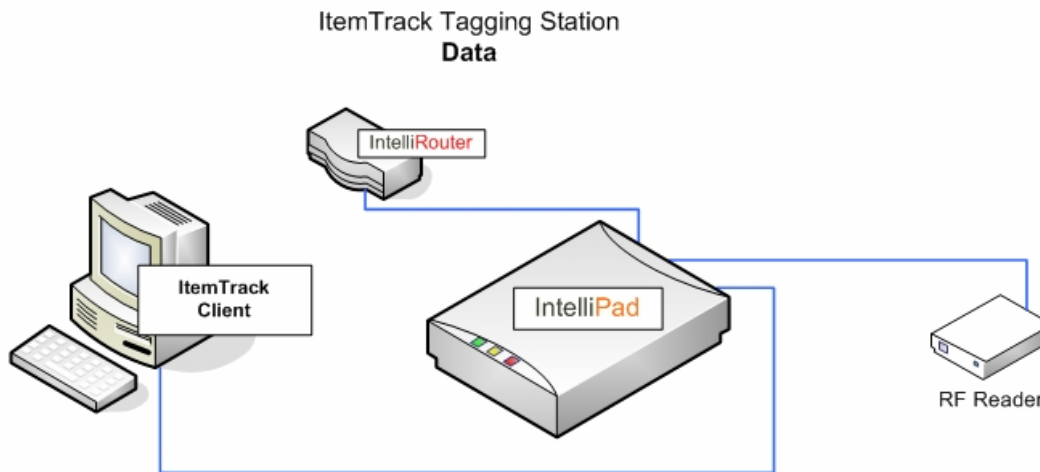
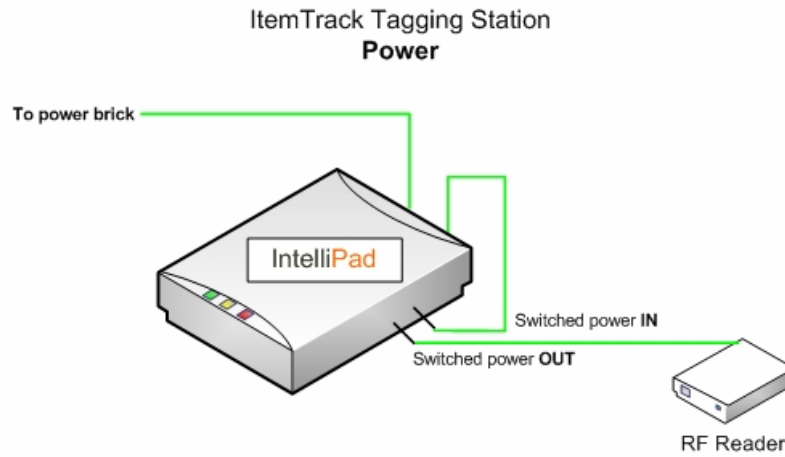
- 2.5 mm ID, 5 mm OD, 5-24 VDC power input jack, + center pin.
- 2.5 mm ID, 5 mm OD, 5-24 VDC power output jack, + center pin. Input is from specific reader power supply, output is to the reader itself.
- RJ-45 (future use for third party products or debug port).
- DB-9, RS-232 connection for reader, also used for diagnostics debug output data.
- 3 green LEDs



IntelliPad Side Panel



### 5. Typical Configuration



**CAUTION:** Use only Vue Technology provided parts, or parts approved/recommended by Vue Technology. Substituting other cables or parts may degrade system performance, damage the device, and/or void the warranty.

## 6. Regulatory Information

The following statements address FCC compliance for the installation and use of Vue Technology devices.

- The Vue Technology system is approved to function with the following tag reader: Symbol XR400 multi-protocol radio frequency identification (RFID) reader. **FCCID: H9PRD11320**
- **IMPORTANT:** The HF port is not supported in the current version of this product. Do not connect any device to the HF port.
- **CAUTION:** To comply with FCC RF exposure compliance requirements, a separation distance of 20cm must be maintained between the antenna of this device and all persons.
- **CAUTION:** The reader power settings for the IntelliPad cannot exceed +27.5 dBm. The acceptable power range is limited to a maximum of +27.5 dBm to comply with FCC regulations.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment has been certified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment.

Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception.

The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.