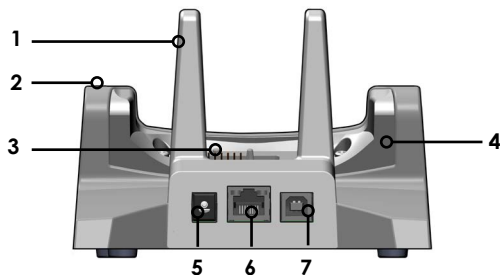# A2-A3 Ethernet Dock

The A2-A3 Ethernet Dock is a mounting station for the Archer[2], Archer[3], Allegro[2], and Allegro[3] Rugged Handhelds. It provides an ethernet port for networking, a power input jack, and a USB client port.

Ethernet Specifications

- 10/100 Mbps twisted-pair ethernet
- IEEE 802.3 10Base-T / 100Base-TX
- Manages twisted pair crossover detection and correction
- Supports full-duplex and half-duplex
- Ethernet driver software pre-installed on the handheld

Dock Features

1. Handheld backrest and connector protector slot
2. LED Indicator (on when the dock has power)
3. Docking pins
4. Archer[2]/Archer[3] insert
5. Power input jack (12VDC power input to power the Ethernet dock and the handheld)
6. Ethernet port
   LED indicators on port:
   - Yellow LED indicates a speed of 100 Mbps
   - Green LED indicates that there is data activity
7. USB client port

Accessories Included with the Dock

- USB cable (USB-A to USB-B)
- Archer[2]/Archer[3] insert and two screws

Accessories Available Separately

- 12VDC charger that came with the handheld
- Docking I/O module if not factory installed on the handheld
- CAT5 or CAT6 twisted-pair ethernet cable
- Communication software (options include custom software from third party vendors such as *Soti MobiControl* or *AirWatch*)
- Two #6-32 screws to mount the dock to a surface

Using the Ethernet Dock

1. The ethernet dock is a freestanding desktop base that can be mounted to a horizontal surface. To mount the dock, drill two holes 4-5/8"apart through the mounting surface. Screw two #6-32 screws through the mounting surface and up into the threaded holes in the dock's base plate.
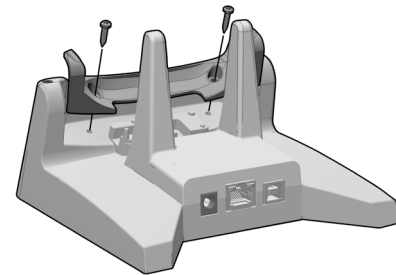
   Note: The screws should not penetrate the dock more than 1/4".

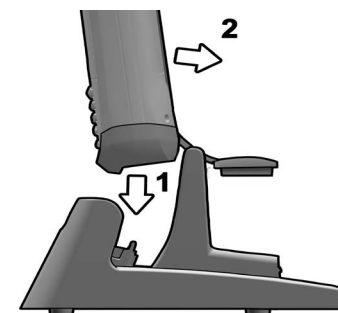2. The handheld must have a docking I/O module. The module has docking pin contacts as shown below:

   If you have a standard I/O module, replace it with a docking I/O module (ordered separately).

3. To use an Archer[2]/Archer[3] with the dock, install the insert as shown below.

4. Provide power to the dock using the 12VDC charger that came with your handheld.

5. If the handheld has a connector protector, open it to reveal the connector ports. Pull it back.

6. Insert the handheld into the dock with the keypad facing forward. Align the docking pins on the dock with the contacts on the handheld I/O module.

7. For networking, use an ethernet cable to connect the dock to an ethernet switch or to an internal network.

8. Use communication software to communicate with the handheld over an ethernet network. Follow the instructions included with the software.

9. You can communicate with the host computer via the USB cable. Power must be applied to the dock.

10. Insert your handheld into the dock, and make sure it is charging.

11. The handheld can be used when it is in the dock. The keys are all accessible.

    Note: Do not connect both the USB and the ethernet to the docked handheld at the same time.

Maintenance and Environmental Issues

The ethernet dock is intended for indoor use only. Temperatures should be between 0°C to 50°C. Avoid using the dock in situations where water can enter the connector ports. It is not sealed against water and must be kept dry, although it sheds moisture that is on the handheld when it is placed into the dock.

Do not touch the docking pins (spring loaded contacts) with conductive items when power is applied to the dock.

Do not drop items on the dock that can damage the pins.

Keep debris off of the docking pins and the connectors to maintain the best performance.

Wall Charger Warnings

WARNING! To reduce the risk of personal injury, electrical shock, fire or damage to the equipment:

Plug the wall charger in to an electrical outlet that is easily accessible at all times.

Disconnect power from the equipment by unplugging the wall charger from the electrical outlet.

Do not place anything on the wall charger cord or any of the other cables. Arrange them so that no one may accidentally step on or trip over them.

Do not pull on a cord or cable. When unplugging the wall charger from the electrical outlet, pull on the plug, not the cord.

Use only wall chargers intended for the handheld. Using any other external power source can damage your product and void your warranty.

Regulatory Information
United States (FCC)

This device complies with Part 15 of the FCC Rules. Operation of this equipment is subject to the following two conditions:

1. The device may not cause harmful interference.

2. This device must accept any interference received, even if the interference may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION: Only approved accessories may be used with this equipment. In general, all cables must be high quality, shielded, correctly terminated, and normally restricted to two meters in length. Wall chargers approved for this product employ special provisions to avoid radio interference and should not be altered or substituted.

CAUTION: Changes or modifications to the handheld or dock that are not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Canada (ISED)

This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

This device complies with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

European Union (CE Marking)

This device conforms to CE marking requirements only if powered by a CE-marked wall charger provided by the manufacturer.

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