

## OVERVIEW

The CarryBox is a rugged, professional transport and storage solution designed for the Digitex xDAS Ambient family of products. It provides maximum protection and mobility for portable Structural Health Monitoring (SHM) equipment in the field.

## DESCRIPTION

Each CarryBox is custom-fitted with precision-cut foam inserts, tailored to securely hold six (6) or eight (8) xWave Ambient units, as well as optional xNet Ambient modules, chargers, and accessories. The robust copolymer design ensures watertight, dustproof, and crushproof protection for sensitive equipment. Equipped with reinforced corners, four polyurethane wheels, and a retractable handle, the CarryBox is ideal for vehicle transport, hand carrying, or even air travel.

## APPLICATIONS

The CarryBox is an essential accessory for teams conducting field-based SHM campaigns. It ensures safe, professional, and convenient handling of portable acquisition units during transport and deployment. Typical applications include transportation to remote monitoring sites, multi-site testing campaigns, or research expeditions where mobility and protection of equipment are critical.

## KEY FEATURES

- Purpose-built transport solution for Digitex xWave Ambient and xNet Ambient devices
- Rugged copolymer enclosure with IP-rated protection
- Custom precision-cut foam for secure fit of 6 or 8 units plus accessories
- Watertight, crushproof, and dustproof design with reinforced corners
- Four strong polyurethane wheels with stainless steel bearings
- Retractable extension handle and fold-down side handles
- Easy-open double-throw latches and stainless-steel padlock protectors
- Automatic Pressure Equalization Valve to balance interior pressure and prevent water ingress
- Stackable design for multiple CarryBoxes when larger deployments are required



### SPECIFICATIONS

#### Function

**Type:** Watertight, crushproof, and dustproof professional-grade transport and storage case designed specifically for the Digitex xDAS Ambient family of products. It ensures maximum protection, organization, and mobility for portable Structural Health Monitoring (SHM) systems during field deployment and transport.

**Supported units:** Accommodates up to 8 xWave Ambient units along with accessories such as cables, xNet Ambient modules, and related components.

**Characteristics:**

- 2 Strong polyurethane wheels with stainless steel bearings
- Retractable extension trolley handle
- Fold down handles
- Easy open double-throw latches
- Automatic pressure equalization valve
- Stainless steel hardware and padlock protectors
- Lightweight and travel-ready design for effortless transport and mobility

#### Environmental

**Operating Temp.:** 40 °C to +88 °C

**Humidity:** 0 – 90 % RH (non-condensing)

#### Physical

**Dimensions:** 631 x 500 x 302 mm (24.83 x 19.69 x 11.88 in)

**Weight:** 10.1 kg

**Enclosure:** Polypropylene IP67

#### Certification & Calibration

**Standards:** CE, RoHS, ISO9001, ISO14001, Def Stan 81-41

### BENEFITS

- Protects sensitive SHM sensors and equipment during transport and storage
- Increases operational efficiency with fast packing/unpacking in the field
- Ensures professional presentation for engineering teams and clients
- Enables safe transport by vehicle, hand, or airplane for global projects
- Extends the lifetime and reliability of SHM devices by reducing the risk of damage
- Scalable solution – multiple CarryBoxes can be combined for large deployments

