# Suitcase® CCT90

◎ **Deploys fast to save you from a world of trouble.**
**Just like a parachute.**

Introducing the Suitcase® CCT90 with CommuniCase® Technology. The quickest-to-air terminal in the world.

◎ *Acquired*

**Innovative modular architecture creates a line of easy-to-switch terminals designed for the present and future** – like all CommuniCase® Technology products, the new Suitcase® CCT90 features multiple modules, a plug-in modem, an antenna unit, a control unit, and a transceiver unit, all of which can easily be replaced and used with current and future SWE-DISH CCT products. Different modules supporting different frequency bands, power levels and modem types are available.

## KEY FEATURES

**Slide-in cassette** – makes the easy-to-switch multiple modem feature possible

**From case to contact in under 5 minutes** – with no tools needed, easy one-man operation, an intuitive GUI, and fully automatic point-and-shoot antenna control, it's easy to see why it's the world's fastest terminal

**Compliant to military standards** – constructed of rugged materials like carbon fiber and rigorously tested to surpass the toughest conditions and standards

**Compact, with three transport options** – not only is it the smallest terminal on the market, but its modular design makes it easy to pack for airline carry-on, check-in or courier options

**Small antenna, high transmission data rate** – a highly efficient Gregorian dual offset elliptical antenna and feed system achieves low loss and up to 10 Mbits/s

**SWE⹅DISH**
A DATAPATH COMPANY

**COMMUNICASE⹅**
TECHNOLOGY

## PERFORMANCE

| | |
|---|---|
| Antenna concept | Gregorian offset antenna, elliptical main reflector, folding feed arm with fixed subreflector |
| Antenna Aperture | 0.9 x 0.66 m (35.4 x 26.0 in) |
| Polarization | Linear |
| Transmit frequency | 13.75 − 14.5 GHz |
| EIRP Capability | Up to 56 dBW (SSPA 50 W) |
| Receive frequency | 10.95 -12.75 GHz |
| G/T | 19.3 dB/K @ 11.0 GHz 20° elevation |
| Antenna Positioning | Automatic positioning through GPS, electronic compass and inclinometer |
| Azimuth Range | ± 90° in 0.1° steps |
| Elevation Range | 10°- 90° in 0.1° steps |
| Polarization Range | 190° in 0.1° steps |

## OPERATIONAL CONDITIONS

| | |
|---|---|
| Operating Temperature Range | -32° C to +50° C (-26° F to +122° F ) |
| Operating Humidity | 95% non-condensing |
| Operational Wind Speed | Max 20 m/s (45 mph) |
| Operational Altitude | Max 3,000 m (9,850 ft) |
| Rainfall | Max 100 mm (4 in) rain per hour |
| Storage Temperature Range | -40° C to +70° C (-40° F to +158° F) |
| Sealing Class | IP65 |

## PHYSICAL

| | |
|---|---|
| Physical Size | 583 x 403 x 247 mm (27.6 x 18.5 x 12.2 in) |
| Weight | Approximately 35 kg (77 lb) |

## POWER

| | |
|---|---|
| AC Supply | 90 − 264 V, AC 45 − 63 Hz |
| DC Supply | 48 V DC |

## BASE BAND

| | |
|---|---|
| Transmit mode | SCPC & TDMA |
| Modulation | BPSK, QPSK, OQPSK and 8PSK |
| Coding | Turbo and Viterbi |
| Data rate | Up to 10 Mbits/s |