

3G Evaluation Kit with EHS5 Evaluation Module – Overview and contents

The **3G EHS5 Evaluation Kits** are simple and easy-to-use solutions for rapid evaluation and testing of Cinterion EHS5 3G/GSM/GPRS/SMS wireless modules.

Each **3G EHS5 Evaluation Kit** comprises the following:

1 off - Starter Kit B80 Board

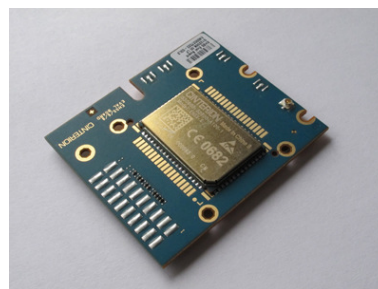
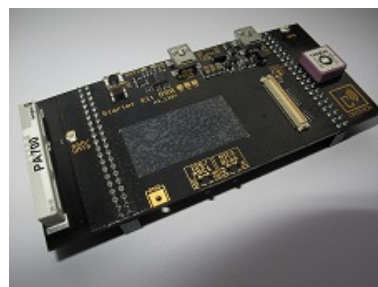
(Cinterion P/N : L30960-N0040-A100) (Image: right)

1 off - Hirose antenna cable 60mm, 50 Ohms

1 off - Hirose antenna cable 100mm, 50 Ohms

1 off - USB A to Mini-USB ‘Y’ cable 1m

1 off – EHS5-E Rel.2 or EHS5-US Rel.2 as applicable to individual kit description (see below table for details). (Image: lower right).



Description

The starter kit B80 Board connects to a PC via supplied USB Cable. The board may be powered via USB or from an external power source enabling power consumption monitoring. A seven band GSM/UMTS RF antenna and a GPS patch antenna are included on the PCB. Either the on-board or external antennas can be used with selection made via U.FL connectors on the PCB and supplied cables.

Full instructions and specifications are provided in the ‘Starter Kit B80 User Guide’ available from Cinterion.

Two versions of the **3G EHS5 Evaluation Kit** are available as follows:

Part Number	Evaluation Module in kit	Radio Bands / Region	Applicable to production module
EHS5-E Rel.2 Eval Kit	EHS5-E Rel.2 Eval module	3G / UMTS (WCDMA/FDD): 900 / 2100 MHz GSM: 900 1800 MHz (Europe+)	EHS5-E Rel.2
EHS5-US Rel.2 Eval Kit	EHS5-US Rel.2 Eval module	3G / UMTS (WCDMA/FDD): 850 / 1900 MHz GSM: 850 / 1900 MHz (USA)	EHS5-US Rel.2

The Starter Kit B80 may also be used for evaluation of other Cinterion 3G/GSM modules and evaluation modules which utilise an 80-way connector.

Additional information is available in the Gemalto Developer Zone: <https://developer.gemalto.com>