

LCIE
Laboratoire de Moirans
Z.I. Centr'Alp
170, Rue de Chatagnon
38430 MOIRANS-FRANCE



GENERAL INFORMATION

FCCID: XKB-IMP40C

1.1. Product description

The following items are included in the IMP400 box :



IMP400 Intelligent Docking Station for iSMP2 Companion



POWER SUPPLY UNIT (PSU)



This User guide

4. Installation and connection

4.1. Functional description

The IMP400 is an Intelligent Docking Station (iDS) accessory for iSMP2 Companion terminal. For each of 6 iSMP2 Companion it provides both a 5V 1A power source able to supply the iSMP2 Companion, and connectivity between the iSMP2 Companion and the monitoring PC or server.



Charging and data pads used with charging dock

4.2. Connectivity

The IMP400 possesses:

- 2 RJ45 Ethernet sockets compatible with 10/100Base-T/TX Ethernet.
- 1 4 pts Power DIN current inlet to connect the power supply
- 1 USB type B socket for maintenance purposes only
- 6 x 4 poles cradle to receive iSMP2 Companion product, with 5Vdc/1A power outlet and USB connectivity

4.3. Positioning the cradle

Install the IMP400 on a flat surface, with an easy access to an electrical outlet. Place the IMP400 away from any heat source and protected from dust, vibrations and electromagnetic radiations (away from video terminals, PC, anti-shoplifting barriers ...). Do not place the IMP400 in direct light from the sun.

1.2. Tested System Details



Power supply:

For measurement with different voltage, it will be presented in test method.

Name	Type	Rating	Reference / Sn	Comments
Supply1	<input checked="" type="checkbox"/> AC <input type="checkbox"/> DC <input type="checkbox"/> Battery	100-240V 50/60Hz	Mean Well Model GS90A12-R7BBM1	Sn: EB4EC71609

Inputs/outputs - Cable:

Access	Type	Length used (m)	Declared <3m	Shielded	Under test	Comments
Supply1	AC/DC adaptor	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
LAN1	RJ45	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
LAN2	RJ45	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
USB	USB	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not used during tests

Auxiliary equipment used during test:

Type	Reference	Sn	Comments
Laptop	TOSHIBA1	-	-
Laptop	TOSHIBA1	-	-
6 x ISMP2	INGENICO ISMP2	CEM iDS1; CEM IDS2; CEM iDS3 CEM iDS4; CEM iDS5; CEM iDS6	-

1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-2003, FCC Part 15 Subpart B.

Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

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1.4. Test facility

Tests have been performed on April 27th , 2015.

This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4-2003 in a letter dated March 25th, 2008 (registration number 94821). This test facility has also been accredited by COFRAC (French accreditation authority for European Union test lab accreditation organization) according to NF EN ISO/IEC 17025, accreditation number 1-1633 as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55022/CISPR22 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.