

User's guide

ICIP 30 board

1. Technical specifications

Standards	IEEE 802.3 Ethernet 10-BASE T
	IEEE 802.3 Nway Auto Negotiation
	IEEE 802.3u Fast Ethernet 100BASE-TX
	IEEE 802.1Q tagged VLAN
	IEEE 802.1p layer2/CoS Traffic Priority
Network Interfaces	IEEE 802.3ac VLAN tagging
	1 LAN port UTP fast Ethernet RJ45 10/100Mbps
	1 WAN port UTP fast Ethernet RJ45 10/100Mbps
Signaling protocol	SIP 2.0 / SIP Intelbras
USB Interface	1 USB host type A port
VoIP Channels	Compatible with USB 1.1/2.0
Voice coding	Up to 30 channels (10 channels per ICIP30 Codec board/licenses released on the iCIP hardware key)
	G711 PCM (A/u-law) up to 64 Kbps
	G729 AB CS- ACELP up to 8 Kbps
	GSM Full Rate 6.10 up to 13.2 Kbps
LEDs	G.723, G.726-16, G.726-24, G.726-32, G.726-40 (ADPCM)
	System status indicators and codecs

Important:

- » For this card to function correctly, the following PBX firmware version is required: 3.12.xx (or higher).
- » To use IP extensions and trunks, it is necessary to purchase the ICIP 30 Codec Card and the respective licenses (hardware key).
- » Installation, configuration and technical support must only be carried out by professionals trained for this product.

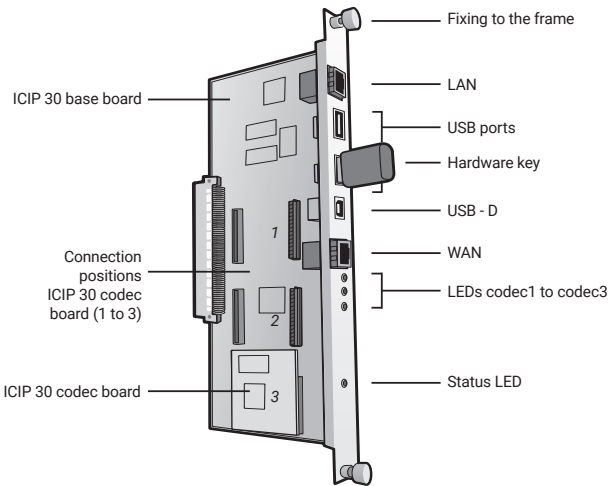
For more information, see the ICIP card manual available on the website [www.intelbras.com/en](http://www.intelbras.com/en).

2. Product

The product solution that allows access to voice signal transmission technology over the Internet or a private network is made up of the following:

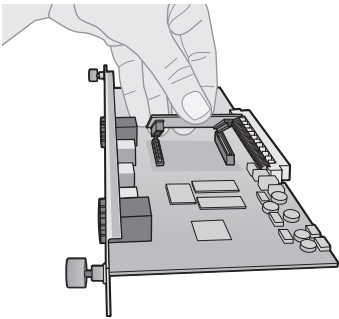
- » ICIP 30 base board: responsible for processing network information, access protocols and network connections
- » customer and internet;
- » ICIP 30 codec board: responsible for the VoIP channels available on the ICIP 30 base board and UnniTI Centrals, and for processing voice signals and converting them into data packets within the network. Each codec card enables 10 VoIP channels.
- » Hardware Key with extension licenses and IP trunks.

2.1. ICIP 30 base board



ICIP : IP Communication Interface

2.2. ICIP 30 codec board connection positions (1 to 3)



# 3. Installation

To assemble the base board and ICIP 30 codec, follow the procedure:

1. Connect the anti-static wrist strap to a grounded surface;
2. Remove the ICIP 30 base board and ICIP 30 codec board(s) from their packaging and place them on the grounded surface;
3. Check the condition of the cards and their connectors;
4. Stably support the ICIP 30 base plate on the surface and insert the ICIP 30 codec card(s) into the available positions, following the diagram below;
5. Insert the assembled assembly into an anti-static packaging until the control unit is ready to receive it;
6. Inform someone responsible for the Impacta plant that it will need to be turned off;
7. Locate the network administrator or IT technician to help you recognize in which scenario the ICIP card will be configured, note the IP addresses, broadband servers, SIP Proxy server, users and passwords, as well as the physical location of the cables. LAN and WAN network (preferably, you should use the WAN port to connect to the customer's internal network and the LAN port to connect to the internal network of the operator providing the SIP Trunk);
8. Turn off the AC power to the Impacta control unit and remove the front cover;
9. The ICIP 30 baseboard can be connected to any of the available positions on the backplane, but we recommend that it be inserted in the center, due to the network cables and peripherals installed in the USB ports;
10. After fitting, make sure that the plate profile fixing screws are properly tightened. These screws, in addition to fixing, are also responsible for grounding the connectors;
11. Connect the LAN and WAN network cables to the respective RJ45 connectors, the ICIP License Hardware Key and the 3G modem, if you have one, to the USB ports;
12. Organize and identify the network cables along with the other cables in the central DG; and if using a 3G modem, leave it outside the internal space of the backplane where it cannot compromise forced air circulation. Depending on the model, you may need to use a USB extender cable;
13. Before putting the system into service, you must visually check all cable connections, modules, boards and AC power, correcting any possible faults. The visual check must be carried out with the system turned off;
14. Replace the front cover and connect the AC power to the Impacta control unit;
15. After system initialization, check, through Web Programmer / Interfaces Menu / Board Arrangement, if no board is programmed to use that slot;
16. Program the necessary data using the Web Programmer.

1. All the parts, pieces and components of the product are guaranteed against possible manufacturing defects, which may arise, for the term of 1 (one) year, with a term of 3 (three) months' legal warranty plus 9 (nine) months' contractual warranty -, counting from the date of purchase of the product by the Consumer, as appears in the product purchase bill of sale, which is an integral part of this Term throughout the domestic territory. This contractual warranty includes the free exchange of parts, pieces and components which have a manufacturing defect, including the expenses with labor used in this repair. If there is no manufacturing defect, but defect(s) arising from misuse, the Consumer shall bear these expenses.
2. The installation of the product shall be executed in accordance with the Product Manual and/or Installation Guide. If your product requires the installation and configuration by a qualified technician, seek a suitable specialized professional, the costs of these services not being included in the product amount.
3. Having perceived the defect, the Consumer shall immediately contact the nearest Authorized Service which appears in the report offered by the manufacturer - they are the only ones authorized to examine and remedy the defect during the warranty term foreseen herein. If this is not respected, this warranty shall lose its validity, as it shall be characterized as product infringement.
4. If the Consumer requests home service, it shall contact the nearest Authorized Service to inquire about the technical visit rate. If it is necessary to remove the product, the ensuing expenses, such as those of transportation and insurance of the taking and return of the product, shall be the Consumer's responsibility.
5. The warranty shall lose its validity totally in the occurrence of any of the following cases: a) if the defect is not one of manufacture, but is caused by the Consumer or by third parties foreign to the manufacturer; b) if the damage to the product arises from accidents, disasters, agents of nature (lightning, floods, landslides, etc.), humidity, voltage in the electrical network (excess voltage caused by accidents or excessive fluctuations in the network), installation/use in disagreement with the user's manual or arising from natural wear of the parts, pieces and components; c) if the product has undergone effects of a chemical, electromagnetic, electrical or animal (insects, etc.) nature; d) if the serial number of the product has been falsified or erased; e) if the appliance has been infringed.
6. This warranty does not cover loss of data; therefore, it is advisable that if it is the case of the product, the Consumer makes a backup regularly of the data which appears in the product.
7. Intelbras is not responsible for the installation of this product, or for possible attempts at fraud and/or sabotage in its products. Maintain the updates of the software and applications used up-to-date, if it is the case, as well as the network protection required for defense against hackers. The equipment is guaranteed against defects in its usual conditions of use, it being important to bear in mind that, as it is electronic equipment, it is not free of fraud and scams which may interfere with its correct functioning.
8. After its useful life, the product must be delivered to an authorized Intelbras service center or directly disposed of in an environmentally appropriate manner to avoid environmental and health impacts. If you prefer, the battery, as well as other unused Intelbras brand electronics, can be disposed of at any Green Eletron collection point (waste management facility to which we are associated). If you have any questions about the reverse logistics process, please contact us at (48) 2106-0006 or 0800 704 2767 (Monday to Friday 8am to 8pm and Saturdays 8am to 6pm) or via -mail support@intelbras.com.br.
9. LGPD - General Law for the Protection of Personal Data: Intelbras does not access, transfer, capture, or perform any other type of treatment of personal data from this product.

These being the conditions of this complementary Warranty Term, Intelbras S/A reserves the right to alter the general, technical and esthetic features of its products without prior notice.

All the images of this manual are illustrative.

Product benefiting from the Legislation of Informatics.

# Warranty term

It is established that this warranty is granted upon the following conditions:

Client's name:

Client's signature:

Invoice number:

Date of purchase:

Model:

Serial number:

Retailer:



talk to us

**Customer Support:** ☎ +55 (48) 2106 0006

**Forum:** forum.intelbras.com.br

**Support via chat:** chat.apps.intelbras.com.br

**Support via e-mail:** suporte@intelbras.com.br

**Customer Service / Where to buy? / Who installs it?:** 0800 7042767

Produced by: Intelbras S/A - Indústria de Telecomunicação Eletrônica Brasileira  
Rodovia SC 281, km 4,5 - Sertão do Maruíim - São José/SC - 88122-001  
CNPJ 82.901.000/0014-41 - www.intelbras.com.br | www.intelbras.com/en

01.24  
Made in Brazil