



IRIS BOX PC



EMBEDDED
INPUTS & OUTPUTS

USER TAILORED
HARDWARE

plug & play

DIN RAIL MOUNTING

DETACHABLE
CONNECTORS

LONG TERM
AVAILABILITY

ARM Cortex A5
+ Cortex M4



ARM Cortex A9
Dual Core 1GHz



RAM 64/
512 MB DDR



Flash 128MB
hasta 1 GB



DVI-I



1 x
10/100



3 x
RS232



24
GPIOs



Micro
SD



RGB
LVDS



fanless



1 x
Irda



Line-In
Line Out
Mic-In



6 - 27
Vdc



4 x PWM



1 x
RTC



Compact 7
CE 5.0/6.0



Linux

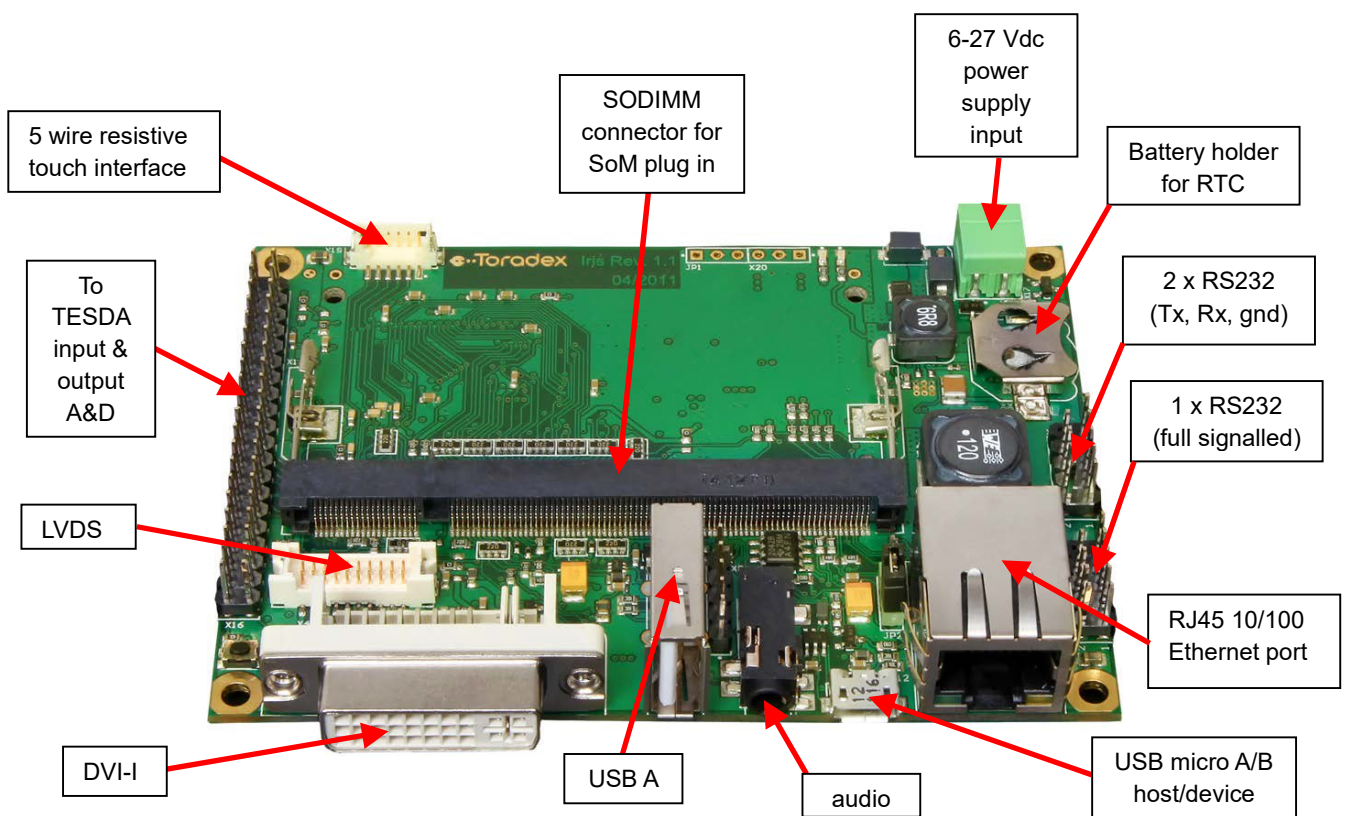


IRIS BOX PC¹ is a state of the art cutting edge ARM based industrial box computer, developed by **ISURKI** as the result of 25 years of expertise in the design and deployment of industrial control systems for the management of facilities, services and environmental control networks. **IRIS BOX PC** offers the maximum reliability, flexibility and performances, thus offering the most advanced control technology.

The most important **IRIS BOX PC** advantage lies in its modularity, allowing the users to adapt the final scope, features and composition of the controller to their application requirements, through the selection of the hardware and software modules necessary to fit the project specifications.

Therefore, **IRIS BOX PC** is a tailored on the shelf product, with the open possibility of enhancing its features fitting future requirements, just adding the required hardware and software supplementary modules.

Besides, the design, development and after sales support services offered by **ISURKI** warranty the implementation of specific automation, control and communications routines according to the project requirements, as well as their upgrading and maintenance.



IRIS BOX PC is based on the above shown Toradex® Iris carried board.

¹ As a result of a constant evolution, here in stated characteristics can be upgraded and changed without previous notice to customer. Please ask the last data sheet version contacting directly with our company.

CPU								
	MODEL NAME							
	T30	T20	iMX8	iMX7	iMX6	iMX6ULL	VF61	VF50
CPU Name	NVIDIA® Tegra™ 3	NVIDIA® Tegra™ 2	NXP® i.MX 8X	NXP®/Freesc ale i.MX 7Dual / NXP®/Freesc ale i.MX 7Solo	NXP®/Freesc ale i.MX 6DualLite / NXP®/Freesc ale i.MX 6Solo	NXP® i.M X 6ULL	NXP®/Fre escale Vybrid™	NXP®/Fre escale Vybrid™
CPU Type	ARM Cortex™- A9	ARM Cortex™- A9	ARM Cortex™- A35, Cortex™- M4	ARM Cortex™-A7, Cortex™-M4	ARM Cortex™-A9	ARM Cortex™- A7	ARM Cortex™- A5, Cortex™- M4	ARM Cortex™- A5
CPU Clock	Up to 1.4 GHz	1.0 GHz	1.2GHz (A35)	1.0 GHz (A7), 200 MHz (M4) / 800 MHz (A7), 200 MHz (M4)	1.0 GHz / 800 MHz	800 MHz / 528 MHz	500 MHz (A5), 167 MHz (M4)	400 MHz
Floating Point Unit	VFPv3	VFPv3- D16	Yes	VFPv4	VFPv3	VFPv3	VFPv4	VFPv4
NEON	Yes	—	Yes	Yes	Yes	Yes	Yes	Yes
L1 Instruction Cache	32KByte per core	32KByte per core	32KB (A35), 16KB (M4)	32KByte (A7), 16KByte (M4)	32KByte per core	32KByte	32KByte (A5), 16KByte (M4)	32KByte
L1 Data Cache	32KByte per core	32KByte per core	32KB (A35), 16KB (M4)	32KByte (A7), 16KByte (M4)	32KByte per core	32KByte	32KByte (A5), 16KByte (M4)	32KByte
L2 Cache	1MByte	1MByte	512 KB with ECC	512KByte	512KByte	128KByte	512KByte	—
MEMORY								
RAM	1GB DDR3L (32 Bit)	512MB DDR2 (32 Bit) / 256MB DDR2 (32 Bit)	Up to 2GB (TBD)	1GB DDR3 (32bit) / 512MB DDR3 (32 Bit) / 256MB DDR3 (32 Bit)	512MB DDR3 (64 Bit) / 256MB DDR3 (32 Bit)	512MB DDR3L (16 Bit) / 256MB DDR3L (16 Bit)	256MB DDR3 (16 Bit)	128MB DDR3 (16 Bit)
Flash	4GB eMMC (8 Bit)	1GB NAND (8 Bit) / 512MB NAND (8 Bit)	4GB eMMC (TBD)	4GB eMMC (8Bit) / 512MB NAND (8 Bit)	4GB eMMC (8 Bit)	512MB /128MB SLC NAND (8 Bit)	512MB NAND (8 Bit)	128MB NAND (8 Bit)
INTEGRATED CONNECTIVITY								
Wi-Fi	—	—	Dual-Band 802.11ac	—	—	Dual- Band 802.11ac / —	—	—

	T30	T20	iMX8	iMX7	iMX6	iMX6ULL	VF61	VF50
Bluetooth	—	—	4.2/BLE	—	—	4.2/BLE (Dual-Mode) / —	—	—
Ethernet RMII	—	—	1 x 1Gbit Ethernet AVB (RGMII)	1x / —	—	1x	1x	1x
SDIO/SD/MMC	3x 4 Bit	4x 8 Bit	1x	2x 8 Bit	3x 8 Bit	1x / 2x	2x 4 Bit	2x 4 Bit
MULTIMEDIA								
Individual Displays	2x	2x	2x	1x	2x	1x	1x	1x
Graphics Controller	Integrated Ultra-low power NVIDIA GeForce GPU	Integrated Ultra-low power NVIDIA GeForce GPU	Vivante GC7000Lite/ UltraLite	Integrated	Vivante GC880	Integrated	Integrated	Integrated
Video Decoder	DivX 4/5/6, H.263, H.264, JPEG, MPEG-2, MPEG-4, WMV9 VC-1, XviD	DivX 4/5, H.263, H.264, JPEG, MPEG-2, MPEG-4, VP6, WMV9 VC-1, XviD	4K h.265 dec, 1080p h.264 decoder	—	DivX 3/4/5/6, H.263, H.264, MJPEG, MPEG-2, MPEG4, VC1	—	—	—
Video Encoder	H.263, H.264, JPEG, MPEG-4	H.263, H.264, JPEG, MPEG-4	4K h.265 dec, 1080p h.264 encoder	—	H.263, H.264, MJPEG, MPEG-4	—	—	—
2D Acceleration	Yes	Yes	Yes	—	Yes	—	—	—
3D Acceleration	Yes	Yes	Yes	—	Yes	—	—	—
VGA	1920x1200	1600x1200	—	—	—	—	—	—
RGB	2048x1536x24bpp	1920x1200x24bpp	Yes	1920x1080x24bpp	1920x1200x24bpp	1366 x 768 x 18bpp	1024x768x24bpp	1024x768x24bpp
Analog audio headphone out	1x (Stereo)	1x (Stereo)	1x (Stereo)	1x (Stereo)	1x (Stereo)	—	1x (Stereo)	—
OPERATING SYSTEM								
Windows Emb. CE 6.0	—	Supported	—	—	—	—	Supported	Supported

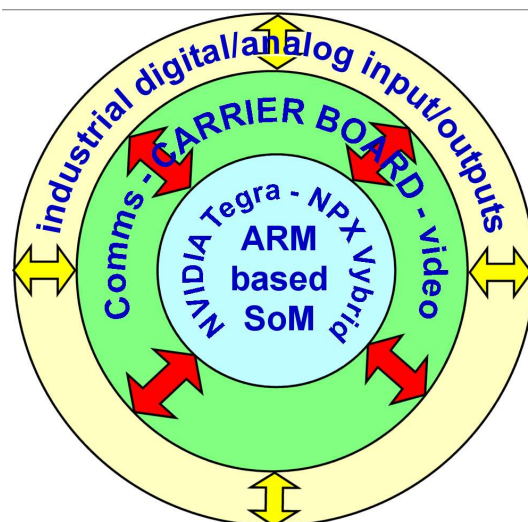
	T30	T20	IMX8	IMX7	IMX6	IMX6ULL	VF61	VF50
Windows Emb. Compact 7	Supported	Supported	—	Contact Isurki/ Supported	Supported	—	Supported	Supported
Windows Emb. Compact 2013	Supported	—	—	Contact Isurki/ Supported	Supported	—	Supported	Supported
Embedded Linux	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Ubuntu	Supported	Supported	—	—	—	—	---	—
eCos	—	—	—	—	—	—	Supported by third party /	—
Android	Supported by third party	Demo image available	Supported by third party	—	Supported by third party /	—	—	—
QNX	—	—	Coming Soon	Coming Soon	Supported by third party	—	—	—
INTEGRITY RTOS	—	—	Coming Soon	Coming Soon	Coming Soon	—	—	—
FreeRTOS	—	—	Supported	Supported	—	—	Supported	—
Preinstalled OS	Windows Embedded Compact 7	Windows Embedded Compact 7	Linux Embedded (Yocto Project)	Linux Embedded (Yocto Project)	Linux Embedded (Yocto Project)	—	Windows Embedded CE 6.0	Windows Embedded CE 6.0
PHYSICAL								
Size	67.6 x 36.7 x 6.2 mm	67.6 x 36.7 x 6.2 mm	67.6 x 36.7 x 6.2 mm	67.6 x 36.7 x 6.2 mm	67.6 x 36.7 x 6.2 mm	67.6 x 36.7 x 6.2 mm	67.6 x 36.7 x 6.2 mm	67.6 x 36.7 x 6.2 mm
Temperature	0° to 70° C / -40° to +85° C	0° to 70° C / -40° to +85° C	-40° to +85° C	-20° to +85° C	0° to 70° C / -40° to +85° C	-30° to +85° C / 0° to 70° C	-40° to +85° C	0° to 70° C / -40° to +85° C
Power Dissipation	1.4 - 5.1 W	1.1 - 2.8 W	—	0.6 - ~1.1 W / 0.6 - ~0.9 W	0.6 - 2.3 W / 0.6 - 1.8 W	TBD	0.6 - 0.9 W	0.5 - 0.8 W
Minimum Availability	2025	2025	—	2027	2028	2028	2028	2028

CARRIER BOARD CONNECTIVITY

Video	DVI-I
LCD Interface	RGB / LVDS
Resistive Touch	4/5 wire
Audio	Line-In, line-Out, Mic-In
Memory Card Sockets	Micro SD
USB Host / Device/ OTG	1x / -- / 1x (High Speed)
IrDA	1x
GPIOs	24 GPIOs
Ethernet	10/100 Mbit
Camera Interface	--
Serial RS232	1 x DB9 M with full signalled RS232 1 x DB9 M with 2 RS232 ports w/ Tx, Rx and GND signals
RTC on Board	1x (supported batteries: BR1216, CR1216, BR1220, CL1220, CR1220, BR1225)
Power Supply	6 – 27 V DC, reverse polarity and short circuit protected

“TESDA” OPTIONAL PLUG & PLAY INDUSTRIAL INPUT/OUTPUT BOARD

Digital Inputs	4, optocoupled($V_{ISO}=5300 V_{RMS}$), dry contact / voltage pulldown (default setting) / pullup (hardware selectable)
Digital Input/Outputs	4 digital input/outputs, one by one user configurable
Relay Digital outputs	4 relays, 1 SPDT contact 0'12A@250Vca, 4A@12Vcc
Analog inputs	4x4-20 mA optocoupled($V_{AIS}=1414 V_{RMS}$), active/passive mode
Auxiliary power supplies	18 Vcc (for DIs and AIs), 5 Vdc-3'5A, 3'3 Vdc-2'5 A
Supply management	Auxiliary power supplies allow user control
Size	118 (height) x 45 (wide) x 137'5 (deep)
Cabinet assembly	DIN rail



IRIS BOX PC hardware architecture

ORDER CODE

IRIS BOX PC -

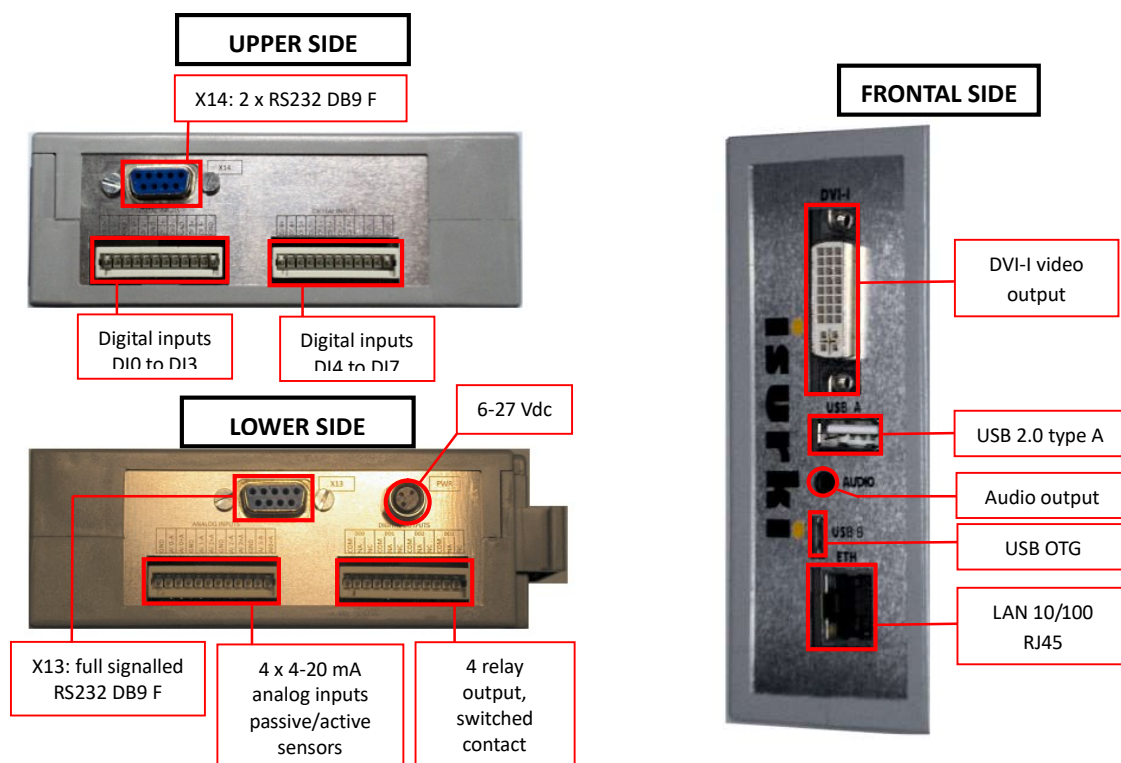
_	OS_	TS_	E_	C_	B_
CPU	Preinstalled O.S.	Touch screen	I/Os	RS232C ports	Box (dimensions in mm.)
VF50 (ARM Cortex™ –A5 400 MHz), 128 MB DDR3, 128 MB NAND + IRIS 1.1. carrier board	0: Windows Embedded CE 6.0 1: Linux Embedded Yocto Project	0: sin 1: Touch Screen 7", TFT WVGA, touch, 800x480. 2: LCD display 4x20 caract. 3: LCD display 4x20 + NumKb	0: sin E/S 1: TESDA 2: TASAN 3: TESDA + TASAN	0: sin 1: RS232 X13 2: RS232 X14 3: RS232 X13+X14	0: Caja de policarbonato para carril DIN, 118 (alto) x 45 (ancho) x 137'5 (fondo). MOQ²: 1 1: Caja aluminio, montaje en placa, 160 (alto) x 190 (ancho, con orejas de fijación) x 69'3 (fondo). MOQ: 25
VF61 (ARM Cortex™ –A5 500 MHz), 256 MB DDR3, 512 MB NAND + IRIS 1.1. carrier board	0: Windows Embedded CE 6.0 1: Linux Embedded Yocto Project	0: without 1: Touch Screen 7", TFT WVGA, touch, 800x480. 2: LCD display 4x20 caract. 3: LCD display 4x20 + NumKb	0: without 1: TESDA 2: TASAN 3: TESDA + TASAN	0: without 1: RS232 X13 2: RS232 X14 3: RS232 X13+X14	0: DIN rail mounted polycarbonate box, 118 (height) x 45 (wide) x 137'5 (deep). MOQ: 1 1: Panel mounted aluminium box, 160 (height) x 190 (width, with mounting brackets) x 69'3 (depth). MOQ: 25
i.MX6ULL/256 ARM Cortex™-A7, 528 MHz, 256 MB DDR3L, 128 MB NAND + IRIS 1.1. carrier board	0: Linux Embedded Yocto Project	0: without 1: Touch Screen 7", TFT WVGA, touch, 800x480. 2: LCD display 4x20 caract. 3: LCD display 4x20 + NumKb	0: without 1: TESDA 2: TASAN 3: TESDA + TASAN	0: without 1: RS232 X13 2: RS232 X14 3: RS232 X13+X14	0: DIN rail mounted polycarbonate box, 118 (height) x 45 (wide) x 137'5 (deep). MOQ: 1 1: Panel mounted aluminium box, 160 (height) x 190 (width, with mounting brackets) x 69'3 (depth). MOQ: 25
i.MX6ULL/512 ARM Cortex™-A7, 800 MHz, 512 MB DDR3L, 512 MB NAND + IRIS 1.1. carrier board + Wi-Fi + Bluetooth	0: Linux Embedded Yocto Project	0: without 1: Touch Screen 7", TFT WVGA, touch, 800x480. 2: LCD display 4x20 caract. 3: LCD display 4x20 + NumKb	0: without 1: TESDA 2: TASAN 3: TESDA + TASAN	0: without 1: RS232 X13 2: RS232 X14 3: RS232 X13+X14	0: DIN rail mounted polycarbonate box, 118 (height) x 45 (wide) x 137'5 (deep). MOQ: 1 1: Panel mounted aluminium box, 160 (height) x 190 (width, with mounting brackets) x 69'3 (depth). MOQ: 25

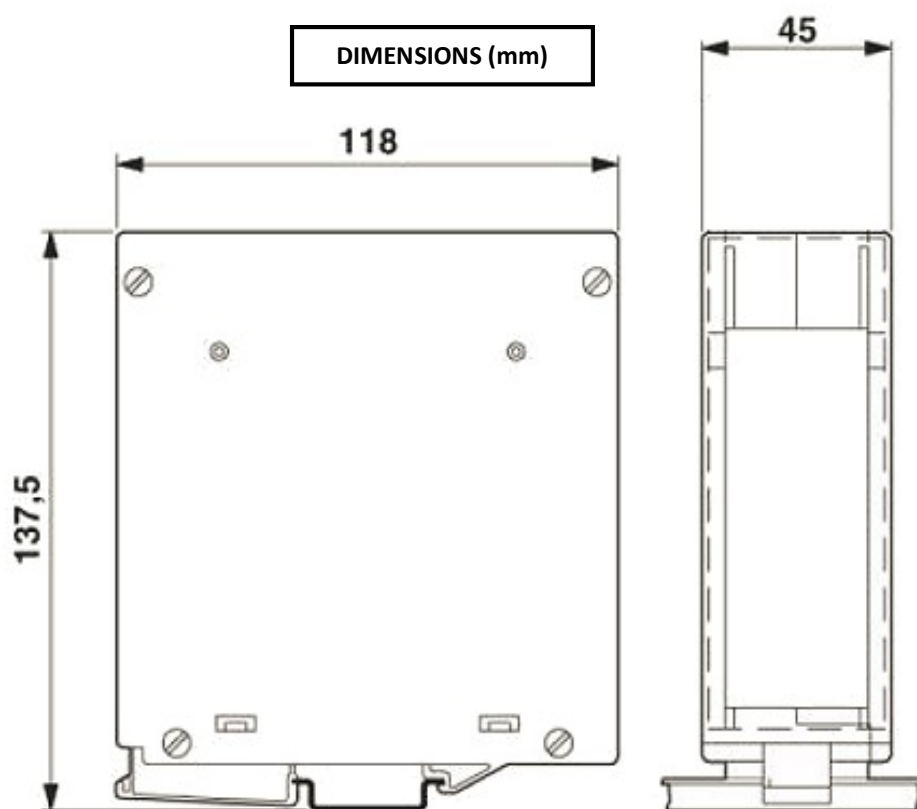
² MOQ: Minimum Order Quantity o Cantidad Mínima de Pedido.

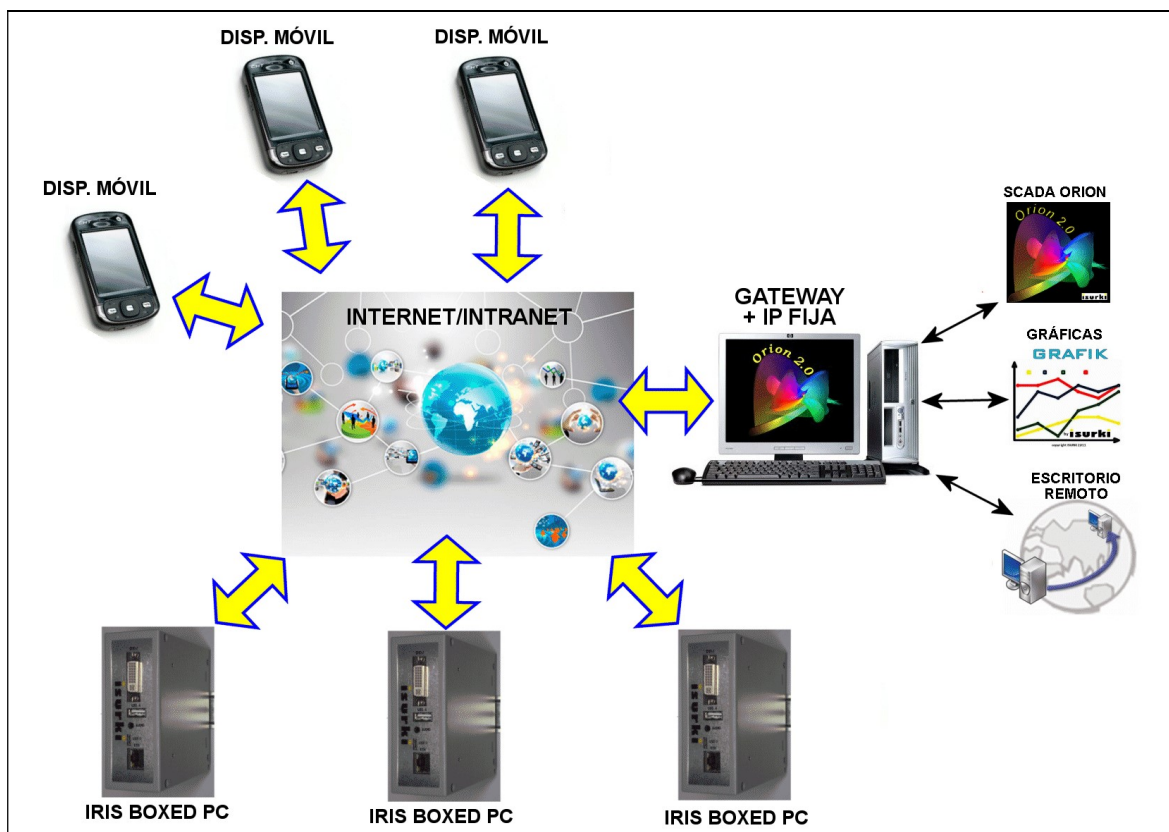
_	OS_	TS_	E_	C_	B_
CPU	S.O. preinstalado	Touch screen	E/S	Puertos RS232C	Ejecución (dimensiones en mm.)
i.MX6/256 ARM Cortex™-A9, 800 MHz, 256 MB DDR3, 4GB eMMC + IRIS 1.1. carrier board	0: Windows Embedded Compact 7.0 1: Linux Embedded Yocto Project	0: without 1: Touch Screen 7", TFT WVGA, touch, 800x480. 2: LCD display 4x20 caract. 3: LCD display 4x20 + NumKb	0: without 1: TESDA	0: without 1: RS232 X13 2: RS232 X14 3: RS232 X13+X14	0: DIN rail mounted polycarbonate box, 118 (height) x 45 (wide) x 137'5 (deep). MOQ: 1 1: Panel mounted aluminium box, 160 (height) x 190 (width, with mounting brackets) x 69'3 (depth). MOQ: 25
i.MX6/512 ARM Cortex™-A9, 1 GHz, 512 MB DDR3, 4GB eMMC + IRIS 1.1. carrier board	0: Windows Embedded Compact 7.0 1: Linux Embedded Yocto Project	0: without 1: Touch Screen 7", TFT WVGA, touch, 800x480. 2: LCD display 4x20 caract. 3: LCD display 4x20 + NumKb	0: without 1: TESDA	0: without 1: RS232 X13 2: RS232 X14 3: RS232 X13+X14	0: DIN rail mounted polycarbonate box, 118 (height) x 45 (wide) x 137'5 (deep). MOQ: 1 1: Panel mounted aluminium box, 160 (height) x 190 (width, with mounting brackets) x 69'3 (depth). MOQ: 25
i.MX7/256 ARM Cortex™-A7 Cortex™-M4, 800 MHz (A7) 200 MHz (M4), 256 MB DDR3, 512MB NAND + IRIS 1.1. carrier board	0: Windows Embedded Compact 7.0 1: Linux Embedded Yocto Project	0: without 1: Touch Screen 7", TFT WVGA, touch, 800x480. 2: LCD display 4x20 caract. 3: LCD display 4x20 + NumKb	0: without 1: TESDA	0: without 1: RS232 X13 2: RS232 X14 3: RS232 X13+X14	0: DIN rail mounted polycarbonate box, 118 (height) x 45 (wide) x 137'5 (deep). MOQ: 1 1: Panel mounted aluminium box, 160 (height) x 190 (width, with mounting brackets) x 69'3 (depth). MOQ: 25
i.MX7/512 ARM Cortex™-A7 Cortex™-M4, 1 GHz (A7) 200 MHz (M4), 512 MB DDR3, 512 MB NAND + IRIS 1.1. carrier board	0: Windows Embedded Compact 7.0 1: Linux Embedded Yocto Project	0: without 1: Touch Screen 7", TFT WVGA, touch, 800x480. 2: LCD display 4x20 caract. 3: LCD display 4x20 + NumKb	0: without 1: TESDA	0: without 1: RS232 X13 2: RS232 X14 3: RS232 X13+X14	0: DIN rail mounted polycarbonate box, 118 (height) x 45 (wide) x 137'5 (deep). MOQ: 1 1: Panel mounted aluminium box, 160 (height) x 190 (width, with mounting brackets) x 69'3 (depth). MOQ: 25
i.MX7/1G ARM Cortex™-A7 Cortex™-M4, 1 GHz (A7) 200 MHz (M4), 1GB DDR3, 4GB eMMC + IRIS 1.1. carrier board	0: Windows Embedded Compact 7.0 1: Linux Embedded Yocto Project	0: without 1: Touch Screen 7", TFT WVGA, touch, 800x480. 2: LCD display 4x20 caract. 3: LCD display 4x20 + NumKb	0: without 1: TESDA	0: without 1: RS232 X13 2: RS232 X14 3: RS232 X13+X14	0: DIN rail mounted polycarbonate box, 118 (height) x 45 (wide) x 137'5 (deep). MOQ: 1 1: Panel mounted aluminium box, 160 (height) x 190 (width, with mounting brackets) x 69'3 (depth). MOQ: 25
T20/256: ARM Cortex™ –A9 Dual Core 1.0 GHz, 256 MB DDR, 512 MB NAND + IRIS 1.1. carrier board	0: Windows Embedded Compact 7.0 1: Linux Embedded Yocto Project 2: Ubuntu	0: sin 1: Touch Screen 7", TFT WVGA, touch, 800x480. 2: LCD display 4x20 caract. 3: LCD display 4x20 + NumKb	0: sin E/S 1: TESDA	0: sin 1: RS232 X13 2: RS232 X14 3: RS232 X13+X14	0: Caja de policarbonato para carril DIN, 118 (alto) x 45 (ancho) x 137'5 (fondo). MOQ: 1 1: Caja aluminio, montaje en placa, 160 (alto) x 190 (ancho, con orejas de fijación) x 69'3 (fondo). MOQ: 25

T20/512: ARM Cortex™ –A9 Dual Core 1.0 GHz, 512 MB DDR2, 1 GB NAND + IRIS 1.1. carrier board	0: Windows Embedded Compact 7.0 1: Linux Embedded Yocto Project 2: Ubuntu	0: sin 1: Touch Screen 7", TFT WVGA, touch, 800x480. 2: LCD display 4x20 caract. 3: LCD display 4x20 + NumKb	0: sin E/S 1: TESDA	0: sin 1: RS232 X13 2: RS232 X14 3: RS232 X13+X14	0: Caja de policarbonato para carril DIN, 118 (alto) x 45 (ancho) x 137'5 (fondo). MOQ: 1 1: Caja aluminio, montaje en placa, 160 (alto) x 190 (ancho, con orejas de fijación) x 69'3 (fondo). MOQ: 25
T30: ARM Cortex™ –A9 Quad Core 1.4 GHz, 1 GB DDR, 4 GB eMMC + IRIS 1.1. carrier board	0: Windows Embedded Compact 7.0 1: Linux Embedded Yocto Project 2: Ubuntu	0: sin 1: Touch Screen 7", TFT WVGA, touch, 800x480. 2: LCD display 4x20 caract. 3: LCD display 4x20 + NumKb	0: sin E/S 1: TESDA	0: sin 1: RS232 X13 2: RS232 X14 3: RS232 X13+X14	0: Caja de policarbonato para carril DIN, 118 (alto) x 45 (ancho) x 137'5 (fondo). MOQ: 1 1: Caja aluminio, montaje en placa, 160 (alto) x 190 (ancho, con orejas de fijación) x 69'3 (fondo). MOQ: 25

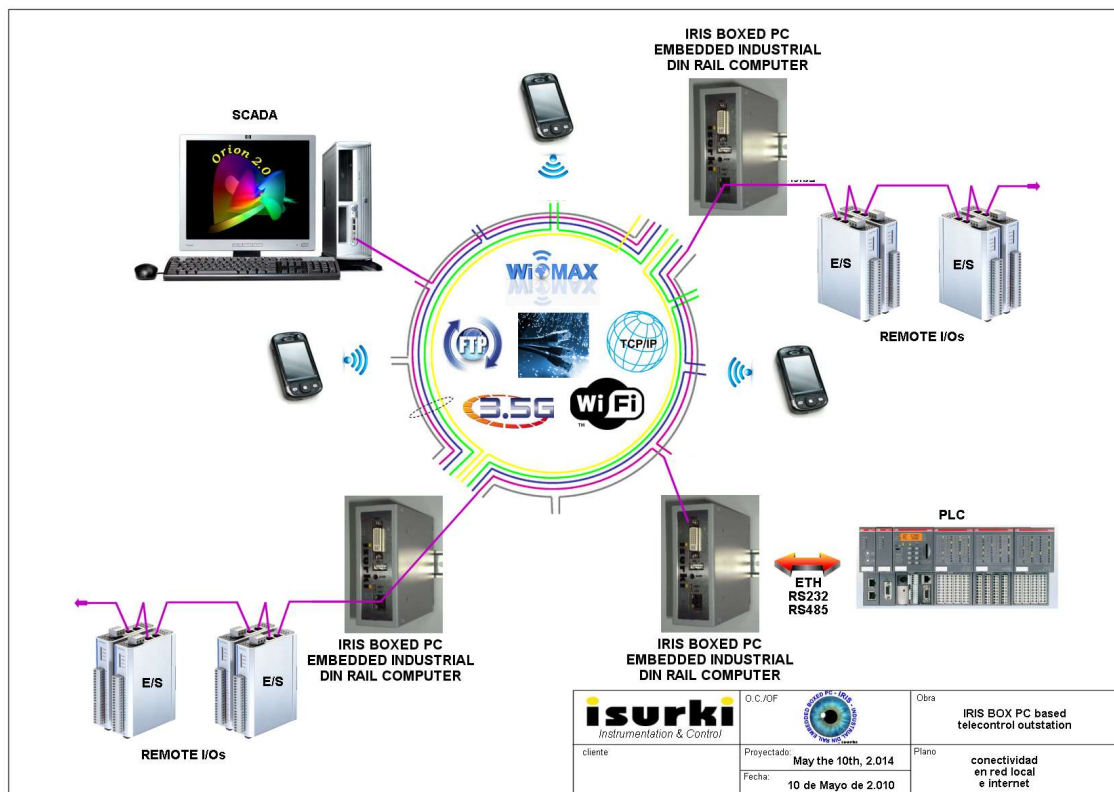
Ordering example: **IRIS BOX PC-T20/512-OS2-TS1-E1-C1-B0** controller code stands for ARM DUAL CORE 1.0 GHz 512 MB DDR RAM CPU, Ubuntu operative system preinstalled, 7" touch screen, industrial I/O TESDA board, X13 full signalled RS232 port, plastic box for DIN rail mounting.







IRIS BOX PC controllers based remote data acquisition and supervisión system deployment example.



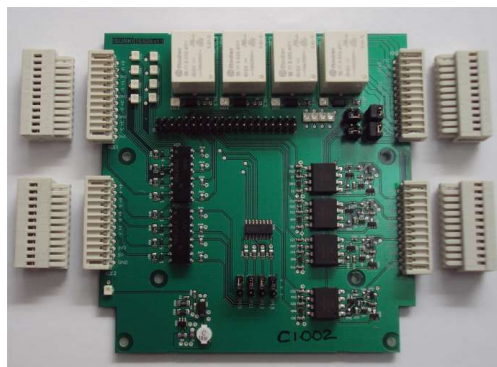
Local, remote, wired and wireless communication solutions supported by IRIS BOX PC series.

IRIS BOX PC SOFTWARE SERVICE TOOLS		
	RTOS (Real Time Operative System).	❖ Windows Compact Embedded 6.0, 7.0. ❖ Linux.
	Remote SCADA	❖ On site monitoring through touch screen based HMI. ❖ Remote monitoring through internet connected mobile devices and PCs.
	Data logging	❖ User configurable time interval data logging. ❖ Logging interval acquisitions average sampling.
	Analog inputs calibration utility	❖ 4 x 4-20 mA analog inputs calibration utility including .txt file calibration report generation.
	Input & outputs testing utility	❖ Digital inputs, digital relay outputs and analog inputs testing utility.
	Engineering units conversion library	❖ Analog inputs conversion from electrical to user or engineering units through data sampling configurable library.
	SMS alarms library	❖ SMS alarms generation library.
	E-mail alarms library	❖ E-mail alarms generation library..
	Remote desktop	❖ VNC Remote Deskop
	FTP (File Transfer Protocol)	❖ Half duplex file transfer utility between IRIS BOX PC and any FTP client.
	TELNET	❖ Allows remote control of the IRIS BOX PC from any remote terminal
	FOTA (Firmware over the air)	❖ Allows firmware updating.
	Web browser	❖ Internet browser.

HARDWARE MOUNTING AND REAL CONTROL APPLICATIONS EXAMPLES



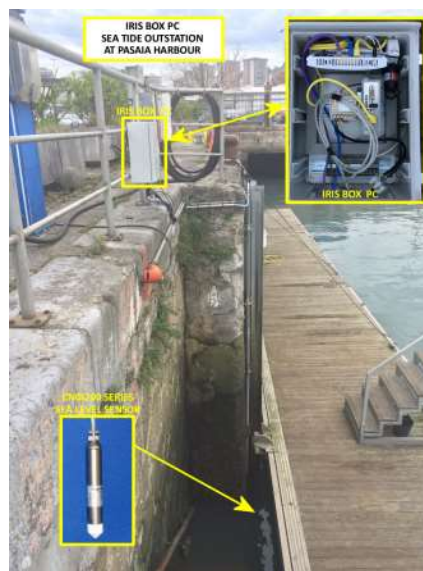
IRIS BOX PC unit with a 7" IKUS touch screen in an open channel flow rate calculation and telemetering real application



TESDA industrial analog and digital input/output board, ready to mount inside an IRIS BOX PC unit.



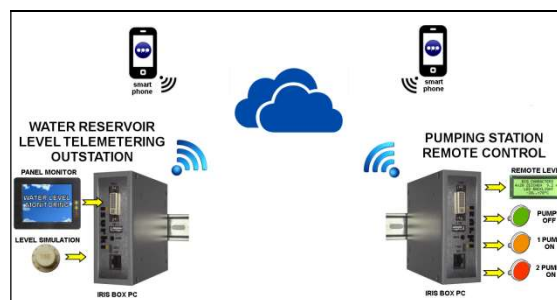
Outdoor (IP66) cabinet tailored telecontrol outstation in a plug & play industrial execution.



Sea tide vectors breakdown measurement, logging and telecontrol outstation.



WIFI connectivity through the USB dongle.



A pair of IRIS BOX PC units working as "in the cloud" telecontrol outstations for remote commands execution.

IRIS BOX PC AS A TORADEX® ARM SoM COLIBRI FAMILY BASED COMPUTER



ISURKI has been awarded by the renowned swiss firm TORADEX as member of his Partner Program:

<https://www.toradex.com/support/partner-network/hardware/17/iris-box-pc-embedded-kit-by-isurki>



And is also member of the ARM Community:

<https://community.arm.com/b/inaki-s-documents/posts/arm-based-industrial-din-rail-box-pc-with-input-outputs-board>



LIST OF AVAILABLE VIDEO TUTORIALS



IRIS BOX PC (BASIC UNIT)		
Description	Link	Contents
1.- Introductory video	https://youtu.be/28R5CDcZsZl	The basic ideas in which IRIS BOX PC concept is based
2.- Outer view and connectivity	https://youtu.be/7vcTDXAEHps	External view, format and connectivity
3.- Inner view and composition	https://youtu.be/kO_MTS0vqUc	Inner view and different boards lay out
4.- Connectivity with peripherals and field devices	https://youtu.be/Bs_rVip8h50	plug & play connectivity to external peripherals and field devices

INPUT & OUTPUTS TESDA BOARD		
Description	Link	Contents
1.- Introductory video	https://youtu.be/KaBh4xRarmk	Main features and characteristics
2.- Hardware and connectivity	https://youtu.be/rOiRODY-2c4	main hardware features and connectivity options to field devices and peripherals
3.- Test software tool	https://youtu.be/6-CjZogcXxA	test software tool for the input & outputs TESDA board
4.- Als calibration (Part 1)	https://youtu.be/eQ-MO9GU0mU	Analog inputs calibration procedure: previous preparations
5.- Als calibration (Part 2A)	https://youtu.be/dL_RkQIQQ_c	Analog inputs calibration procedure: software tool for TEGRA processors
6.- Als calibration (Part 2B)	https://youtu.be/NYq4iT8rXzE	Analog inputs calibration procedure: software tool for VYBRID processors
7.- Als library (Tegra µP)	https://youtu.be/ku0ShZcKGJ8	Analog inputs library for TEGRA processors

8.- AIs library (Vybrid μ P)	https://youtu.be/t4rc7r-TliE	Analog inputs library for VYBRID processors
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ON FIELD RUNNING APPLICATIONS		
Description	Link	Contents
1.- Hydrology telecontrol	https://youtu.be/-sW_kGjiiYI	Monitoring boreholes underground water evolution telecontrol

ISURKI'S BACKGROUND EXPERTISE AND SUPPORT

ISURKI was founded in 1.992 with the target of providing the most advanced electronic, computing & communications technologies to the industry and the resources and facilities management companies, in order to improve the supervision and control of their processes and infrastructures.



Therefore, we define ourselves as an instrumentation, control & software engineering firm focused to the different areas related to the industrial and environmental fields.

The **IRIS BOX PC** is the result of the application of all this expertise into the hardware and software design of the device, allowing us to develop tailored cost effective industrial controllers adapted to specific customer's requirements.

Last, but not least, an excellence based technical assistance and hot line service during the previous and after sales stages, together with the support of our matrix supplier TORADEX, guarantee the best results of the **IRIS BOX PC** unit in your application.



*Company headquarters in Irun, state of Gipuzkoa,
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