IPC4

LATEST INDUSTRIAL
IPC4 LAPTOP

IPC4 INDUSTRIAL LAPTOPS

IPC4 Industrial Laptops

Rugged, reliable laptops that stand up to tough conditions.

IPC4 offers a range of rugged laptops that deliver superior performance and reliability even in harsh environments.
Our laptops are resistant to dust, water, shock and vibration with IP65 protection class and compliance with the MIL-STD-810G military standard.

Features

- **Powerful processors:** The latest generation Intel processors so you can easily solve demanding tasks.
- **Long battery life:** Ideal for long-term field work with our dual battery models.
- **Wide range of connectivity options:** Keeps you always connected with a range of connectivity options including 5G (SA/NSA), 3G/4G, WiFi 6 and Bluetooth 5.1.
- **Durable design:** Resistant to impacts, vibrations and water.
- **Touch screen:** Offers easy and intuitive use.
- **Expandable storage:** Offers a range of storage options such as SSDs and HDDs to expand your storage.
- **GPS:** Lets you know where you are at all times
- **Multiple modules:** 1D/2D barcode reader can be customized with NFC and other functional modules.

IPC4 laptops can be used in a variety of industries, including:

- **Field Services:** Enables field technicians to easily complete their work in the field.
- **Public Safety:** Can be used by public safety officials such as police officers and firefighters.
- **Logistics:** Can be used by drivers and warehouse workers to manage inventory and track packages.
- **Health:** Can be used by nurses and doctors to access patient records and communicate with patients.
- **Production:** Can be used by workers on the production line to monitor production data and perform quality control.

IPC4 INDUSTRIAL LAPTOPS

	EM-I22J	EM-X33	EM-X33	EM-X14
PRODUCT CODE	IPC4-RL-I22J-C10-8128	IPC4-RL-X33-i510-16256	IPC4-RL-X33-i710-32256	IPC4-RL-X14-i510-16256
SCREEN SIZE	12.2" IPS	13.3"	13.3"	14"
IMAGE FORMAT	16 | 10	16 | 9	16 | 9	16 | 9
RESOLUTION	1920 x 1200	1920 x 1080	1920 x 1080	1920 x 1080
BRIGHTNESS	650 cd/m^2	700 cd/m^2	700 cd/m^2	700 cd/m^2
OPTIONAL BRIGHTNESS	-	-	-	1000 cd/m^{2}s
TOUCH	PCAP 10 Point	optional	optional	optional
SCREEN HARDNESS	7H	-	-	-
CPU	Intel® Celeron® N5100 4 Core 1.10 GHz BM: 3350	Intel® Core™ i5-1135G7 4 Core 2.40 GHz BM: 10000	Intel®Core™ i7-1165G7 4 Core 2.80 GHz BM: 10550	Intel® Core™ i5-1135G7 4 Core 2.40 GHz BM: 10000
GPU	Intel® HD Graphics Gen 11 LP	Gen 12 Intel® Iris® Xe Graphics	Gen 12 Intel® Iris® Xe Graphics	Gen 12 Intel® Iris® Xe Graphics
RAM	8 GB	16 GB	32 GB	16 GB
SSD	128GB eMMC	256 GB SSD	256 GB SSD	256 GB SSD
FRONT CAMERA	5 MP	2 MP	2 MP	2 MP
REAR CAMERA	8 MP	-	-	-
GPS	+	optional	optional	optional
NFC	-	-	-	+
FINGERPRINT READER	-	+	+	+
LAN - RJ 45	MbE x 1	GbE x 1	GbE x 1	GbE x 2
RS232	x 1	x1	x1	x1
RS485	x 1	-	-	-
USB 3.0	x 2	x 3	x 3	x 3
USB 3.1	x 1	-	-	x 1
USB 2.0	-	Thunderbold x 1	Thunderbold x 1	-
POGO PIN	-	-	-	5 Pin x1
IC Card	-	-	-	x 1
WIRELESS /Wi-Fi	802.11 a/b/g/n/ac	802.11 a/ b/ d/ e/ g/ h/ i/ k/ n/ r/ u/ v/ w/ ac/ ax	802.11 a/ b/ d/ e/ g/ h/ i/ k/ n/ r/ u/ v/ w/ ac/ ax	802.11 a/ b/ d/ e/ g/ h/ i/ k/ n/ r/ u/ v/ w/ ac/ ax
BLUETOOTH	BT5.0 (BLE)	BT5.1 (BLE)	BT5.1 (BLE)	BT5.1 (BLE)
3G	-	-	-	-
4G		optional	optional	optional
5G	(+)	optional	optional	optional
HDMI	HDMI 2.0a Mini x 1	x 1	x 1	x 1
HIS	Waterproof Speaker x 2 + Microphone Jack + 3.5mm headphone jack x 1	Waterproof Speaker x 2 + Microphone Jack + 3.5mm headphone jack x 1	Waterproof Speaker x 2 + Microphone Jack + 3.5mm headphone jack x 1	Waterproof Speaker x 2 + Microphone Jack + 3.5mm headphone jack x 1
Sim	-	x 1 [Optional]	x 1 [Optional]	x 1 [Optional]
DURABILITY	MIL-STD 810G	MIL-STD 810G	MIL-STD 810G	MIL-STD 810G
IP PROTECTION CLASS	IP65	IP65	IP65	IP65
PİL	7.6V/6000mAh + 7.6V/1000mAh	11.1V/2800mAh x 2	11.1V/2800mAh x 2	7.4V/1750mAhV/ + 7.4V/6300mAh (hot-swappable)
SUPPLY VOLTAGE	DC 12V	DC 19V	DC 19V	DC 19V
OS	Windows 11 IOT	Windows 11 Pro	Windows 11 Pro	Windows 11 Pro
DIMENSIONS	319.6 x 216 x 24.3	332 x 233 x 26	332 x 233 x 26	363.2 x 287.4 x 42.1

IPC4 INDUSTRIAL LAPTOPS

IPC4

	EM-X14	EM-X15	EM-X15
PRODUCT CODE	IPC4-RL-X14-i710-32256	IPC4-RL-X15-i510-16256	IPC4-RL-X15-i710-32256
SCREEN SIZE	14"	15.6"	15.6"
IMAGE FORMAT	16 | 9	16 | 9	16 | 9
RESOLUTION	1920 x 1080	1920 x 1080	1920 x 1080
BRIGHTNESS	700 cd/m^2	700 cd/m^2	700 cd/m^2
OPTIONAL BRIGHTNESS	1000 cd/m^{2}s	-	-
TOUCH	optional	optional	optional
SCREEN HARDNESS	-	-	-
CPU	Intel® Core™ i7-1165G7 4 Core 2.80 GHz BM: 10550	Intel® Core™ i5-1135G7 4 Core 2.40 GHz BM: 10000	Intel® Core™ i7-1165G7 4 Core 2.80 GHz BM: 10550
GPU	Gen 12 Intel® Iris® Xe Graphics	Gen 12 Intel® Iris® Xe Graphics	Gen 12 Intel® Iris® Xe Graphics
RAM	32 GB	16 GB	32 GB
SSD	256 GB SSD	256 GB SSD	256 GB SSD
FRONT CAMERA	2 MP	2 MP	2 MP
REAR CAMERA	-	-	-
GPS	optional	optional	optional
NFC	+	+	+
FINGERPRINT READER	+	+	+
LAN - RJ 45	GbEx 2	GbEx 2	GbEx 2
RS232	x 1	x 1	x 1
RS485	-	-	-
USB 3.0	x 3	x 3	x 3
USB 3.1	x 1	x 1	x 1
USB 2.0	-	-	-
POGO PIN	5 Pin x1	5 Pin x1	5 Pin x1
IC Card	x 1	x 1	x 1
WIRELESS /Wi-Fi	802.11 a/ b/ d/ e/ g/ h/ i/ k/ n/ r/ u/ v/ w/ ac/ ax	802.11 a/ b/ d/ e/ g/ h/ i/ k/ n/ r/ u/ v/ w/ ac/ ax	802.11 a/ b/ d/ e/ g/ h/ i/ k/ n/ r/ u/ v/ w/ ac/ ax
BLUETOOTH	BT5.1 (BLE)	BT5.1 (BLE)	BT5.1 (BLE)
3G	-	-	-
4G	optional	optional	optional
5G	optional	optional	optional
HDMI	x 1	x 1	x 1
HIS	Waterproof Speaker x 2 + Microphone Jack + 3.5mm headphone jack x 1	Waterproof Speaker x 2 + Microphone Jack + 3.5mm headphone jack x 1	Waterproof Speaker x 2 + Microphone Jack + 3.5mm headphone jack x 1
Sim	x 1 [Optional]	x 1 [Optional]	x 1 [Optional]
DURABILITY	MIL-STD 810G	MIL-STD 810G	MIL-STD 810G
IP PROTECTION CLASS	IP65	IP65	IP65
PİL	7.4V/1750mAhV/ + 7.4V/6300mAh (hot-swappable)	7.4V/1750mAhV/ + 7.4V/6300mAh (hot-swappable)	7.4V/1750mAhV/ + 7.4V/6300mAh (hot-swappable)
SUPPLY VOLTAGE	DC 19V	DC 19V	DC 19V
OS	Windows 11 Pro	Windows 11 Pro	Windows 11 Pro
DIMENSIONS	363.2 x 287.4 x 42.1	407 x 305.8 x 45.5	407 x 305.8 x 45.5

INDUSTRIAL COMPUTER CENTER

ICC was established in 2017 with the vision of 'Industrial Computer Center' and aims to bring industrial PC products to its customers. It offers important solutions to Industry 4.0 needs in the Turkish market by adding its own brands IPC4, ECOIPC4 and IPC4PRO to its adventure that started with the Turkish representation of AAEON and IBASE. It provides professional support and customized products to customers by providing industrial automation and IT solutions in sectors such as automotive, iron and steel, machinery manufacturing, food, packaging, textile, rubber and energy.

While it provides services throughout Turkey with its offices in Istanbul, Bursa, Ankara and Izmir, it also operates with its offices in Plovdiv, Bulgaria and Antwerp, Belgium, in the process of globalization.

ICC
Industrial Computer Communication Center
Control

SANCAKTEPE / ISTANBUL

+90 216 510 66 96
info@icc.com.tr