

INDUSTRIAL AUTOMATION SOLUTIONS

Machine Vision Solutions, Automation
Controller, Panel PC, HMI e Monitor



Manufacturing



Industrial
Automation



Warehouse
Management

FEC
ITALIA



INDUSTRIAL AUTOMATION SOLUTIONS

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FEC Italia is a company specializing in the design, manufacturing, and integration of hardware solutions for industrial automation and data collection/control on production lines: HMIs, full-IP industrial Panel PCs, fanless BOX PCs, and integrated hardware systems designed to ensure 24/7 operation in harsh environments. Our solutions are also used in the retail and hospitality sectors (checkout counters, self-ordering kiosks, digital signage), in large-scale retail, and in other vertical markets. In partnership with the international group Firich Enterprises Corp., we are present in over 90 countries worldwide.



At FEC Italia, we offer an integrated end-to-end service: from component selection to electronic and mechanical design, from assembly to sales, and through to after-sales support, with product lines that can be customized to meet specific requirements for performance, connectivity, and protection rating.

Thanks to our in-house production departments and specialized pre-sales and post-sales technical support teams, we guarantee support throughout the entire product lifecycle, ensuring we are always there for our customers and partners.

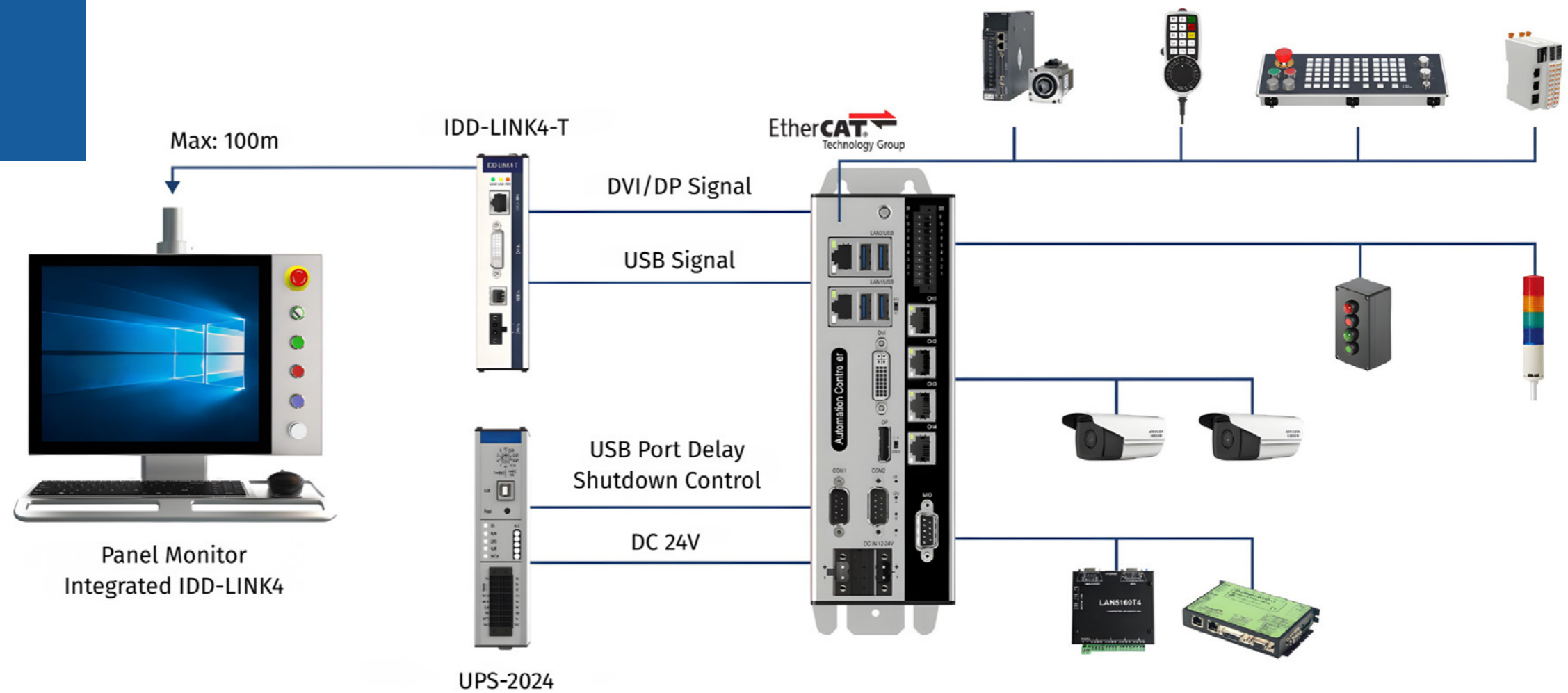
MACHINE VISION SOLUTIONS

- Automation Controller as the system hub
- Remote-accessible panel monitor up to 100 m
- UPS to complete processes in the event of a power outage
- KVM extender for remote operations (IDD-LINK)
- PLC integration capability
- Compatible with standard and industrial keyboards
- Integration of warning lights to signal malfunctions or errors
- Cameras for visual production monitoring
- Latest-generation LAN ports for fast connection
- Real-time monitoring of the entire production process

Machine Vision Solutions refer to an integrated set of hardware components that communicate with each other using the main automation protocols. The goal is to monitor, inspect, and track products/processes, reliably connected to PLCs/SCADA/MES and various peripherals.

Machine Vision Solutions address the need to integrate, within a production facility, a system that enables real-time visual monitoring and control of production and allows for the installation of specific control and alarm peripherals, such as keypads, PLCs (Programmable Logic Controllers), sirens and warning lights, cameras, remote control devices (IDDLINK), and UPS units.

The versatility and control offered by this system—which allows for a wide range of configurations and customization, as well as the ability to remotely control operations up to 100 meters away—set the standard for industrial automation. In line with the most innovative technologies and components, our solutions guarantee reliability and long-term durability.



These solutions support the main industrial communication protocols.

AUTOMATION CONTROLLER

AUTOMATION
CONTROLLER

FEC
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ABP-2200

INDUSTRIAL AUTOMATION BOX PC

The ABP series represents the top of the line in Automation Controllers, modular, integrable BOX PCs suitable for industrial automation.

Based on Intel® Celeron J6412, N97, Core i3, or Core i5 processors, they deliver high control performance through the ability to integrate external modules that provide extensive I/O port versatility. Available in fanless or fan-cooled versions depending on the CPU.



ABP-2200



ABP-2200-RJ45



ABP-2200-PCI/POE
(su progetto)

Known as an "Automation Controller" due to its ability to act as a central hub for controlling various connectable peripherals: panel PCs and touchscreen monitors, UPS units, visual alarms, quality control cameras, or KVM extenders. To meet more specific requirements, the ABP-2200 is also available in the following versions: ABP-2200-KVM, ABP-2200-RJ45, ABP-2200-POE, ABP-2200-PCI, and ABP-2200-PCIe. Optional Wi-Fi module.

ABP-2200-KVM

- integrated IDD-LINK4

ABP-2200-POE

- Integrated POE board

ABP-2200-PCIe

- integrated PCIe board

ABP-2200-RJ45

- 4 integrated RJ45 ports

ABP-2200-PCI

- integrated PCI board



GENERAL DESCRIPTION

- Intel® Celeron J6412, N97, or Core i3/i5 processor
- Dual video interface: DVI + DP
- Power supply with overvoltage protection: 12-36 V DC
- Configurable modular I/O module
- Aluminum-magnesium alloy chassis
- RS232 or RS485 BIOS COM port settings
- USB 3.0 ports to prevent data loss
- Real-time motion control
- Available fanless or with fan
- Windows 10/11 IoT, Linux

Given the breadth of the product range and the many possible variations, some models/configurations may not be immediately available. Please contact our sales representatives for availability and delivery times.

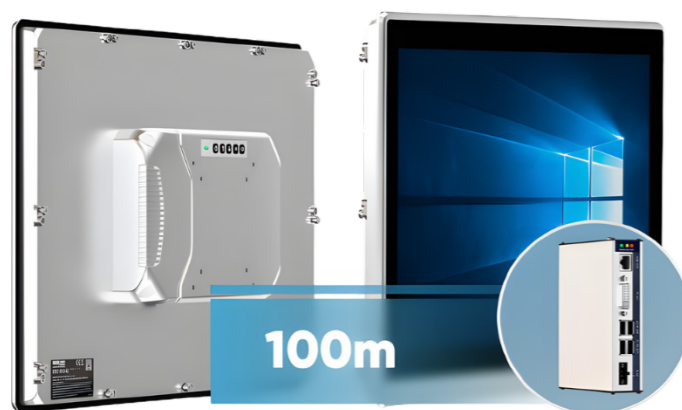
AUTOMATION MONITOR



AMN-20XXW

AUTOMATION TOUCH SCREEN MONITOR

Industrial monitors available in various sizes, ideal as the operator interface for an Automation Controller: rugged, versatile, and usable up to 100 meters away.



Version with integrated KVM receiver (upon request)

Available in 10.1", 15.6", 21.5", 24", 27", and 32" sizes, certified for industrial use with IP65 rating and the option for wall mounting with VESA mount or panel mounting. Operates up to 100m away from the central unit via KVM extender. Also available in versions with integrated KVM receiver or with ATEX certification upon request.



GENERAL DESCRIPTION

- Aluminum and magnesium alloy chassis
- Available in the following sizes: 10.1", 15.6", 21.5", 24", 27", and 32"
- IP65 protection
- Power supply with overvoltage protection, DC 12-36 V
- VESA or panel mounting ready
- CE, FCC, & RoHS certifications
- Available in a version with integrated KVM



ATEX Zone 2/22 certification available



Given the breadth of the product range and the many possible variations, some models/configurations may not be immediately available. Please contact our sales representatives for availability and delivery times.

AMN-20XXW

AUTOMATION TOUCH SCREEN ARM MOUNT MONITOR

Industrial monitors available in various sizes, ideal as an operator interface for an automation controller: rugged, versatile, and usable at distances of up to 100 meters.



Assembled components to create the mounting arm (custom design)

A rugged aluminum-magnesium alloy chassis with IP65 protection, numerous configurable buttons, and support for an optional keyboard, along with the ability to operate up to 100 meters away from the central unit using a KVM extender (optionally integrated), are just some of the features that make this product indispensable in an industrial automation system.



GENERAL DESCRIPTION

- Aluminum and magnesium alloy chassis
- Available in 21.5" size
- IP65 protection
- Power supply with overvoltage protection, 12-36V DC
- VESA or panel mounting
- CE, FCC, and RoHS certified
- Available in a version with integrated KVM



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AUTOMATION PANEL PC

AUTOMATION
PANEL PC

FEC
ITALIA

APC-2XXXW

AUTOMATION PANEL MOUNT PC

Industrial touchscreen panel PCs designed for the harshest environments: from high-temperature settings to areas exposed to water and splashes. A reliable solution that ensures operational continuity in any situation.



I/O ports on the version with integrated Bluetooth, WiFi, and GPIO modules

The APC series was created to meet the needs of the industrial world. Panel PCs are available in 10.1", 15.6", 21.5", 24", 27", and 32" sizes, offering high performance and low power consumption. They support VESA and panel mounting and are equipped with a capacitive touchscreen with IP65 protection.

Versions with Bluetooth, Wi-Fi, and GPIO, as well as ATEX-certified models, are available upon request.

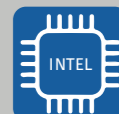


GENERAL DESCRIPTION

- Intel® Celeron J6412, N97, or Core i3/15/i7 processor
- Aluminum-magnesium alloy chassis, rear box cover with aluminum fins for heat dissipation
- Available in sizes: 10.1", 15.6", 21.5", 24", 27", and 32"
- IP65 protection
- 10-point capacitive touchscreen
- RAM module up to 64GB
- SSD up to 1TB
- VESA or panel mounting ready
- CE, FCC, and RoHS certifications
- Windows 10/11 IoT, Linux
- Version with integrated Bluetooth, WiFi, and GPIO modules available upon request



ATEX Zone 2/22
certification available



Given the breadth of the product range and the many possible variations, some models/configurations may not be immediately available. Please contact our sales representatives for availability and delivery times.



ARM MOUNT AUTOMATION HMI

ARM MOUNT
AUTOMATION HMI

FEC
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AAP-2XXX(W)

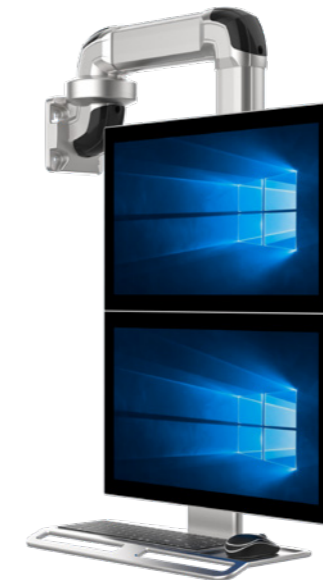
AUTOMATION ARM MOUNT PC

21.5" touchscreen HMI designed for specific installations and configurations, built with solid, water-resistant materials suitable for any environment. A versatile and highly customizable solution that makes no compromises.



GENERAL DESCRIPTION

- Aluminum and magnesium alloy chassis
- Available in 21.5" size
- Intel® Core i5 processor
- IP65 protection
- 10-point capacitive touchscreen
- Customizable buttons
- Power supply with overvoltage protection, 12-36V DC
- Customizable arm mount configuration with multi-angle extensions 0°-320°
- CE, FCC, and RoHS certifications
- Windows 10/11 IoT, Linux
- Available with integrated KVM upon request



Dual-screen version available upon request

Highly customizable arm-mounting system to meet a wide range of installation requirements. Sturdy aluminum-magnesium alloy chassis with IP65 protection, numerous configurable buttons, and optional keyboard support.



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KVM EXTENDER

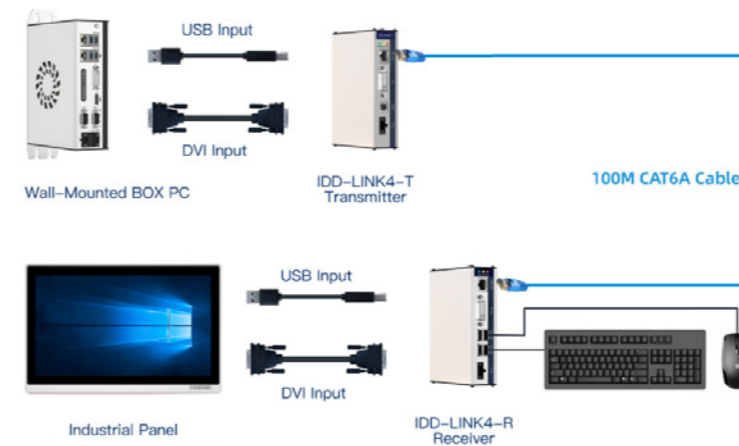
KVM
EXTENDER

FEC
ITALIA

IDD-LINK4

KVM EXTENDER

IDD-LINK4 is a transmitter/receiver system that allows you to connect operator peripherals (monitor, panel PC, keyboard, mouse, audio/USB) up to 100 meters away from the Automation Controller, which can be installed in a separate area.



IDD-LINK4 allows, via CAT6 cable and audio/video connections, operation on a Panel PC or monitor located up to 100 m away from the Automation Controller. Sealed housing made of aluminum and magnesium alloy, resistant to dust and dirt. Compatible with Beckhoff CP-LINK4, Siemens IFP V2, and B&R SDL4.



GENERAL DESCRIPTION

- Aluminum and magnesium alloy housing for protection against dust and dirt
- DIN rail mounting ready
- 24V DC power supply
- Compatible with Beckhoff CP-LINK4, Siemens IFP V2, and B&R SDL4
- Can be integrated into Monitor and Operation HMI upon request



UPS

UPS

FEC
ITALIA

UPS-2024

UNINTERRUPTIBLE POWER SUPPLY UNIT

The UPS-2024 is a supercapacitor-based uninterruptible power supply designed for long-term durability and to provide the necessary runtime to complete data recovery operations in the event of a power outage.

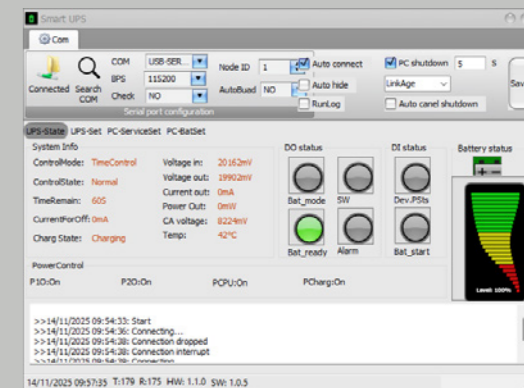


Based on supercapacitors, which are not subject to wear and degradation like traditional batteries, it is designed to handle power supply irregularities and ensure an extremely high number of charge/discharge cycles with virtually no maintenance. Programmable to meet specific needs and easily installable on a DIN rail, it can supply power for over 12 minutes with a maximum load of 60W. The maximum power it can reach is 80W. Supplied with control software featuring a dedicated interface for Windows environments.



GENERAL DESCRIPTION

- Aluminum and magnesium alloy housing for protection against dust and dirt
- DIN rail mounting ready
- 24V DC power supply
- Parameters and shutdown time can be programmed via USB
- It can supply power for over 12 minutes at 60W loads.



Control software interface

TAILOR-MADE SOLUTIONS

OPTIONAL SOLUTIONS ON REQUEST

We offer a wide range of optional accessories to integrate with the main machines, allowing for complete control over automation operations.

These accessories are available upon request and include:

- teach pendant (multiple configurations)
- customizable pushbutton panels
- industrial keyboards

Our dedicated experts provide support at every stage of the decision-making process, recommending the type of peripheral best suited to meet your needs.



CUSTOM PROJECTS

Thanks to our in-house design and manufacturing departments, we can work with you to develop the technical solution best suited to your specific needs:

- monitors or PCs of various sizes available upon request
- custom installations
- internal components not listed in the catalog

We are available to evaluate any type of request and work closely with the customer to ensure that every detail is handled with the utmost precision.

CUSTOM APPLICATIONS



FEC REMOTE MANAGEMENT PLATFORM

FEC PLATFORM




REMOTE MANAGEMENT PLATFORM

We have developed a service platform to further enhance the professional user experience of FEC Italia Panel PCs.
The FEC Remote Management Platform is:

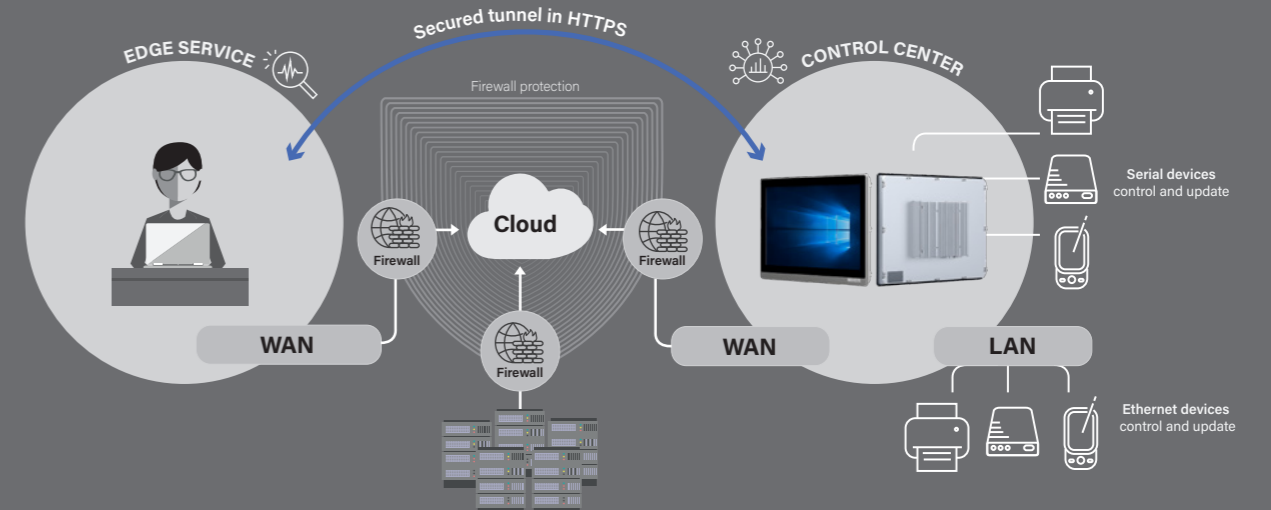
- ▶▶ Secure thanks to the platform's cybersecurity protocols
- ▶▶ Compatible with Windows 10 and later / Android® 7 and later Easily integrates with other monitoring platforms and management systems.



FEC PLATFORM COMPRENDE:

 <p>ORA Edge</p> <p>A runtime client installed by default on Panel PCs that collects all information regarding system operation: serial number, model, installed hardware and software, BIOS.</p>	 <p>NUBIS Control center</p> <p>A cloud-based application that enables remote control of many key activities.</p>	 <p>NUBIS Storage</p> <p>A cloud space for sharing documents and updates between different PCs within the same facility or across different facilities.</p>
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UN COLLEGAMENTO SICURO PER L'ASSISTENZA REMOTA



Edge and Control Center connect via an encrypted HTTPS tunnel to ensure maximum security for your IT infrastructure. Through the Control Center, you can:

- remote assistance to:
 - monitor anomalies and malfunctions
 - understand what happened
 - troubleshoot the issue remotely
- configuration and management of alerts for:
 - PC temperature too high
 - full disk
 - CPU & RAM
 - app crash detection
- scheduling of automated tasks, such as system updates, at predefined times, without interrupting the machine's normal operation during working hours.

WARRANTIES

FEC SWAP24

A RISK-FREE PURCHASE AND USER EXPERIENCE

Repairing your all-in-one PANEL PC or most of our BOX PCs will no longer be a problem with the new FEC SWAP24 support service, which allows you to receive a new system similar to the one you purchased in advance, ensuring maximum operational continuity.

The FEC SWAP24 service, included in the purchase price for the first 12 months, entitles you to a swap (advance replacement) of the faulty system with a refurbished one—that is, a unit that has undergone a manufacturing and inspection process to restore it to a functional state equivalent to new, with simultaneous verification and any necessary cosmetic repairs—excluding the hard drive, which will be replaced with that of the faulty machine to ensure absolute business continuity without the need for lengthy software installation processes. The FEC SWAP24 warranty can be extended up to 3 or 5 years, further demonstrating the reliability of FEC Italia systems.



FEC Italia KASKO

FOR BUSINESS MOBILITY SOLUTIONS

We have chosen to provide all-inclusive protection for our professional Mobile Computers, including coverage against accidental damage. This allows us to offer our customers uninterrupted operations and a high-quality professional service. FEC ITALIA KASKO is included in the price of our handheld computers and tablets. Our Mobile Computers are also covered by the "FEC Swap 24" support service for maximum operational continuity.

LONG-TERM PROTECTION

FEC warranties, whether included or optional, provide 12 months of coverage but can be extended up to a maximum of 3 years.

THE BENEFITS OF OUR OFFER

- **PRE-SALES SUPPORT**

Dedicated consulting for our customers provided by true industry specialists.

- **PRODUCTS**

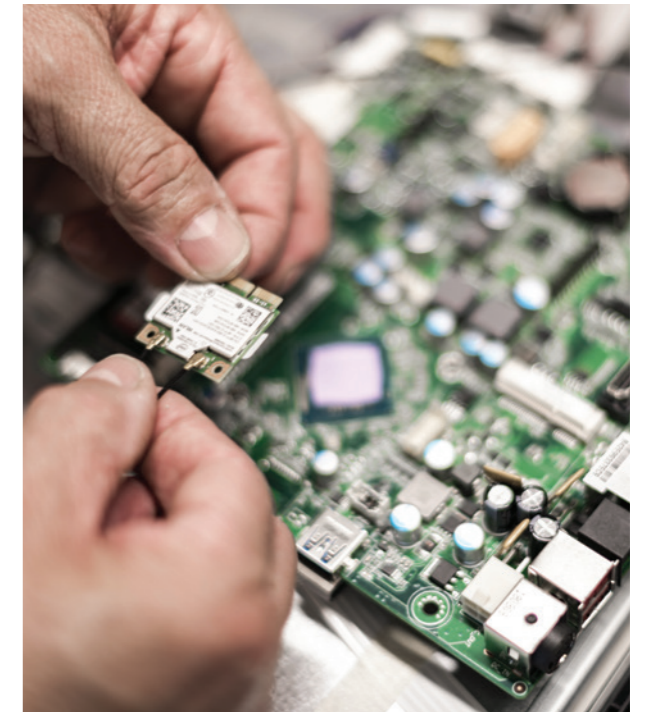
Technologically advanced and of unquestionable build quality.

- **AFTER-SALES SUPPORT**

Innovative warranty solutions and a high-caliber systems support team to resolve all post-sales issues.

- **ONLINE TICKETING PORTAL**

Direct, connected customer service to provide constant and effective support.



CUSTOMER CARE

A CUSTOMER-ORIENTED COMPANY

To complement its wide range of solutions, FEC Italia provides a professional and flexible technical-sales team and a fast, professional customer support service. The company specializes in the professional sector and has a structure strongly focused on the customer and their needs.

A TEAM OF IN-HOUSE SPECIALIZED TECHNICIANS

FEC Italia's CUSTOMER CARE team consists of a group of specialized technicians who can be contacted by phone, email, or through our website for assistance and support requests, as well as to schedule repair services. FEC Italia's structure is optimized to make the most of our technical support resources, with the goal of providing customers with quick responses and accurate repairs in the shortest time possible.

We offer on-site and in-house customer service; furthermore, with FEC Italia's new IT infrastructure, customers can monitor the entire management of support tickets in real time directly on our website www.fecpos.it.





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