Factory Automation

VISUALIZE AND CONTROL OPERATIONS.

About Winmate

Headquartered in Taipei, Taiwan, Winmate Inc. has been dedicated to researching, developing and manufacturing the latest in industrial displays and rugged devices for 20 years.

Today, Winmate creates intelligent systems that advance the Internet of Things (IoT) and enterprise-level communications across the globe for industrial and high-tech clients. High standards for technology and quality control have established Winmate as a leader for the last 20 years and set the standard for continued excellence.

Value-added partner

Strong Rugged Design Team

To Meet Environmental Challenges (EE, ME)

Talented Software Team

To Enable IoT & Industrial Application

System Integration Experience

For Rugged & Industrial Mobile Devices

Customized solutions

Years of experience allow Winmate to offer customized solutions for different applications. From product design to creating accessories, our engineering team designs and supports your needs throughout the whole system integration process.

CUSTOMIZED INTERFACES

CUSTOM OS IMAGE

CUSTOM BIOS

ENCLOSURE DESIGN

PERIPHERALS AND OPTIONS

CUSTOM-DESIGNED ACCESSORIES

Factory Automation Solutions

Overview

As technology evolves and regulatory demands significantly increase, modern factories not only need a way to track processes but also a visualization of each important production step. Numerous data figures collected throughout each shift require a screen to display production status and a dashboard for better control and process optimization. Optimized processes facilitate reduced total cost of ownership, minimize time-to-market and enhance production quality.

Winmate provides a wide range of panel PCs and human-machine interfaces for factory or building automation, machine control, point-of-information kiosks, hospitality, or air traffic control.

Our industrial panel PC include:

- The latest Android™, Windows® or Linux operating system
- Various housing options: panel mount, open frame, chassis
- Durable design

Simply select the optimum display size, choose the processing power and find the right interface to design the most suitable solution for your application.
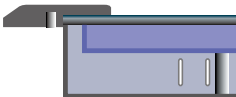
Technology

Standard Industrial Panel PC
Compare to HMI's design that comes with a flat edge-to-edge surface, a standard industrial panel PC comes with a bezel.

Human Machine Interfaces (HMI)
Winmate's line of multitouch panel PCs go beyond that of the standard industrial panel computers with elegant and edge-to-edge designs, rugged construction, powerful performance, and flexible mounting options.

Standard vs Flat Design

Standard Industrial Panel PC	Flat HMI
Bezel	Edge-to-edge
Single Touch	Multitouch
Chassis, Front IP65, Panel Mount, Open Frame	Chassis, Panel Mount, Open Frame

Stainless Solutions

Whether it be the actual processing of the food or the packaging of the food, automation is everywhere in today's modern food plants. Plant floor automation helps keep costs down and food quality up.

The stainless series was developed for food processing, packaging and pharmaceutical industries where there is a need for water resistant devices that can withstand daily washdowns to keep a clean food production facility.
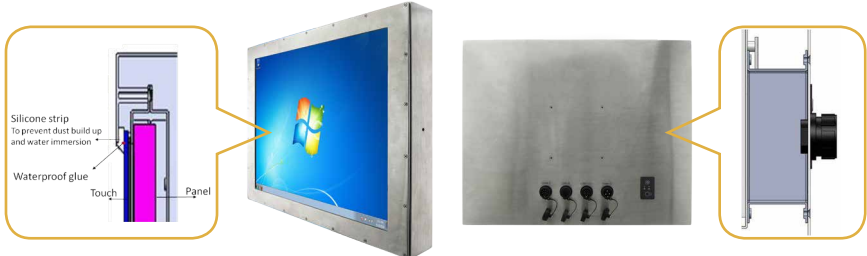
Signature True Flat Design

Easy to clean and prevent liquid droplets penetrating any openings in the device.
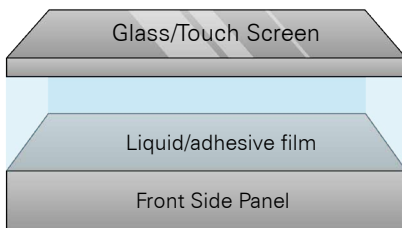
Flat P-Cap Design

Silicone strip / 2ND waterproof glue
To prevent dust build up and water immersion

Waterproof glue

Panel

Touch

Gasket

Resistive Design

Silicone strip
To prevent dust build up and water immersion

Waterproof glue

Touch   Panel

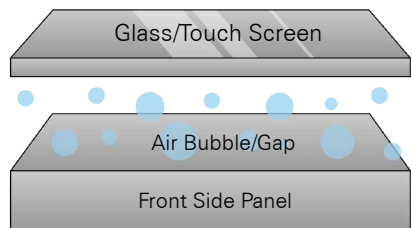## Optical Bonding

Optical bonding is a process that uses optically clear resin to affix a protective glass overlay or touch screen to the front of an LCD. Filling the air gap between the overlay and the LCD reduces speculation between the surfaces, thereby increasing contrast, color quality and viewing angles.

Glass/Touch Screen	Glass/Touch Screen
Liquid/adhesive film	Air Bubble/Gap
Front Side Panel	Front Side Panel

With Optical Bonding   Without Optical Bonding

10.4~23.8" Multitouch HMI
M Series

" **MODULAR DESIGN.
INCREASED FLEXIBILITY.** "

- 10.4~23.8-inch screen with P-Cap touch
- Intel® Celeron® N2930 Bay Trail-M
- Intel Atom® E3845 Bay Trail
- Intel® Core™ i5-7200U Kaby Lake
- Windows 7/8/10

Fanless cooling system
One PCIe x4 expansion slot
Two 2.5" SSD bay slots
Touchscreen supports glove mode
Four USB 3.0
HDMI, RS-232, RS-232/422/485, RJ45
Wide range power input 12-24V DC
Wall mount, VESA mount
Front IP65, 0°C to 50°C operating temperature

Accessories

Standard

Mounting Clips	Mounting Screws	AC Adapter	Power Cord	Driver CD

Application

Plant Outdoor Checkpoint

"BRIGHT SUNLIGHT READABLE DISPLAY."

Total solution for access control with customized enclosure for truck drivers to enter the manufacturing facilities without waiting even in harsh weather conditions and temperature changes.

Custom configuration

Up to 4 GB
Memory

Status Light Bar

2MP Webcam

HR RFID Reader

Application

Meeting Room Booking System

"OPTIMIZE MEETING ROOM UTILIZATION."

Installed at the entrance of a meeting room, the 10.1-inch S-Series HMI helps to control accessto the factory facilities, shows booking schedule and booking status from afar.

7~15" Android Multitouch HMI
S Series

NEW

" HIGH-END ANDROID PROCESSING POWER. "

- 7~15-inch screen with P-Cap touch
- Arm® Cortex®-A72 +Quad-core-A53
- Android 7.1

Fanless cooling system
16 GB eMMC, micro SD card
Power over Ethernet (PoE)
USB 3.0, USB 2.0, USB OTG
RS-232/422/485, RJ45 (PoE)
1W Speaker
Panel mount, VESA mount
Front IP65 water and dust proof
0°C to 50°C operating temperature

Accessories

Standard

AC Adapter	Power Cord	Driver CD
Optional		
VESA Wall Mount Bracket	Front Side Wall Mount Plate	VESA Desk Stand

5~15" Android Multitouch HMI
S Series

" KNOW-HOW IN POE AND TOUCH TECHNOLOGY. "

- 5~15-inch screen with P-Cap touch
- Freescale™ Arm® Cortex®-A9 i.MX6
- Android 6.0, Ubuntu 16.04

Fanless cooling system
16 GB eMMC, micro SD card
Power over Ethernet (PoE)
USB 2.0 host, USB OTG
RS-232/422/485, RJ45 (PoE), CANBus
1W Speaker
Panel mount, VESA mount
Front IP65 water and dust proof
Front IP65, 0°C to 50°C operating temperature

Accessories

Standard

VESA Plate	VESA Screws	AC Adapter	Power Cord	Driver CD
VESA Desk Stand	VESA Wall Mount Bracket			

Application

Access Control

"RESTRICT AND CONTROL ACCESS TO FACTORY FACILITIES."

Installed at the entrance of a meeting room, the 7-inch S-Series HMI with HF RFID reader helps to control access to the factory facilities, and also shows testing laboratories temperature, humidity and history of use.

S Series

Custom configuration

Up to 8 GB

Memory

Status Light Bar

2MP Webcam

HR RFID Reader

Application

Machine Controller

"EASY TO MAINTAIN AND COST EFFECTIVE."

Installed in the packaging zone of a food processing manufacturer, the S-Series operator HMI allows for automation and visualization for the packaging line.

" SMART SOLUTION FOR AUTOMATED PACKAGING. "

- 7~15-inch screen with P-Cap touch
- Intel® Celeron® N2930 Bay Trail-M
- Windows 7/8/10

Fanless cooling system
64 GB M.2 SSD
Power over Ethernet (PoE)
USB 3.0, USB 2.0
RS-232/422/485, RJ45, RJ45 (PoE)
1W Speaker
Panel mount, VESA mount
Front IP65 water and dust proof
0°C to 50°C operating temperature

Accessories

Standard

VESA Plate Cord	VESA Screws	AC Adapter Power	Driver CD
VESA Desk Stand	VESA Wall Mount Bracket		

7~15.6" Android Multitouch HMI
E Series

NEW

" DUAL CPU. DOUBLE THE PERFORMANCE. "

- 7~15.6-inch screen with P-Cap touch
- Arm® Cortex®-A72+Quad-core-A53
- Android 7.1

Fanless cooling system
2 GB LPDDR3, 16 GB eMMC, micro SD card
USB 3.0, USB 2.0, USB OTG
RS-232/422/485, RJ45 (PoE), micro HDMI
PoE IEEE 802.3at (25 W), IEEE 802.3af (15 W)
Panel mount, VESA mount
Front IP65 water and dust proof
-10°C to 50°C operating temperature

Application

HVAC Control System

"NOW IT IS EASIER TO CONTROL THE BUILDING."

The 10.1-inch E-Series HMI was installed for adjusting thermostat for efficient automated heating system of the factory building.

Accessories

Standard

Mounting Clips and Screws	3 pin Terminal Block	AC Adapter	Power Cord	Driver CD

7~15.6" Android Multitouch HMI
E Series

Custom configuration

PoE

Application

Energy Efficiency Systems

"EASE OF USE, DURABILITY AND ACCURATE CONTROLS."

Lower operational costs with HMI operator panels installed inside intelligent building to control energy consumption.

" EASY TO INSTALL. ERGONOMIC. COMPACT. "

- 7~15.6-inch screen with P-Cap touch
- Freescale™ Arm® Cortex®-A9 i.MX6
- Android 6.0, Ubuntu 16.04, Linux Kernel 4.1.15, QT 5.5

Fanless cooling system
1 GB LPDDR3, 16 GB eMMC, micro SD card
USB 2.0 host, USB OTG, micro USB for debug
RS-232/422/485, RJ45 (PoE), CANBus, micro HDMI
Panel mount, VESA mount
Front IP65
-10°C to 50°C operating temperature
For less I/O demanding applications

Accessories

Standard

Mounting Clips and Screws	2 pin Terminal Block		AC Adapter	Power Cord	Driver CD

7~15.6" Windows Multitouch HMI
E Series

" ELEGANT DESIGN. "

- 7~15.6-inch screen with P-Cap touch
- Intel® Celeron® N2930 Bay Trail-M
- Windows 10/8/7

Fanless cooling system

64 GB mSATA SSD

USB 3.0, USB 2.0

RS-232/422/485, two RJ45, HDMI 1.4a

Panel mount, VESA mount

Front IP65, 0°C to 50°C operating temperature

Application

Fruit Sorting and Packaging

"FAST SPEED AND STABLE PERFORMANCE."

The multitouch panel PC offered advanced performance with an intuitive user interface. Being connected to a PLC through an Ethernet cable allowed the operations panel PC to ensure faster and more reliable communication.

Accessories

Standard

Mounting Clips and Screws	2 pin Terminal Block		AC Adapter	Power Cord	Driver CD

EL Series

Application

Utilities Control

"JUST THE RIGHT SIZE FOR OUR APPLICATION."

The ultra-compact HMI with a 4.3-inch multitouch screen makes this solution the right fit for machine control and data visualization on the factory floor.

" PANEL MOUNT. FITS IN CONFINED SPACES. "

- 4.3~15.6-inch screen with P-Cap touch
- Freescale™ Arm® Cortex®-A9 i.MX6
- Android 6.0, Ubuntu 16.04

Fanless cooling system
1 GB LPDDR3, 8 GB eMMC
USB 2.0 host, USB OTG
RS-485, RJ45
Panel mount, VESA mount
Front IP65, -20°C to 50°C operating temperature

Accessories

Standard

VESA Plate	VESA Mounting Screws	AC Adapter	Power Cord	Driver CD
VESA Desk Stand	VESA Wall Mount Bracket			

10.4~23.8" Windows Multitouch HMI
PP Series

Custom configuration

Up to **16 GB**	Up to **256 GB**
Memory	Storage

" HIGH COMPUTING PERFORMANCE. PANEL MOUNT. "

- 10.4~23.8-inch screen with P-Cap touch
- Intel® Core™ i5-7200U
- Intel® Celeron® N2930 Bay Trail-M
- Windows 10/8/7

Fanless cooling system

Brightness adjustment knob

Two USB 3.0

RS-232, RS-232/422/485, two RJ45, HDMI 1.4

Panel mount, VESA mount

Front IP65, 0°C to 50°C operating temperature

Application

Operator Control and Monitoring

"VIVID GRAPHICS AND USER-FRIENDLY CONTROLS."

Accurate machine control and monitoring with vivid images depicted on a 21.5-inch screen with crystal clear resolution for more complex graphics inside smart factory.

Accessories

Standard

AC Adapter	Power Cord	Driver CD

PO Series

Custom configuration

Up to 8 GB

Memory

Application

Self-Service Payment Kiosk

"THE SYSTEM MEETS EMV BANKING SECURITY STANDARD"

By Installing a self-service payment kiosk with Winmate's 15-inch open frame HMI and data reader components the gas station was able to bring automation to the kiosks.

" **OPEN FRAME.**
BEST FOR KIOSK APPLICATIONS. "

- 7~23.8-inch screen with P-Cap touch
- Intel® Celeron® N2930 Bay Trail-M
- Intel® Core® i5-7200U Kaby Lake
- Windows 10/8/7

Fanless cooling system
64 GB mSATA SSD
2 x Mini PCIe (For Wi-Fi and 3G module)
USB 3.0, USB 2.0
RS-232/422/485, two RJ45, HDMI 1.4
Open frame
Front IP65, 0°C to 50°C operating temperature

Accessories

Standard

AC Adapter	Power Cord	Driver CD

15~21.5" Chassis Multitouch HMI
PT Series

Custom configuration

AR Glass   PoE

> ## STANDALONE.
> ## FOR YOUR POINT-OF-SALE
> ## APPLICATION.

- 15~21.5"-inch screen with P-Cap touch
- Intel® Celeron® N2930 Bay Trail-M
- Freescale™ Arm® Cortex®-A9 i.MX6 Dual/ Quad-core
- Windows 10/8/7 or Android 6.0

Fanless cooling system
Two 1 Watt speakers
USB 2.0
RS-232/422/485, RJ45
Chassis, VESA mount, standalone
Front IP65, 0°C to 50°C operating temperature

Accessories

Standard

AC Adapter	Power Cord	Driver CD

Application

Quality Control Room

"DURABLE, VERSATILE AND EASY TO USE."

The 15-inch chassis HMI now works as a monitor in a quality control room of the food factory. User-friendly interface with multitouch allows intuitive user controls to check all the details of the product samples.

IBDRW100-EX

Custom configuration

Up to
8 GB
Memory

Up to
256 GB
Storage

Up to
215 GB
2nd Storage

Wi-Fi

4G
4G LTE

Application

Petrochemical Processing Plant

"STABLE PERFORMANCE IN A COMPACT RUGGED DESIGN."

This DIN Rail Box PC was integrated as the system controller for a petrochemical plant monitoring onsite data.

" COMPACT AND RUGGED. FOR HAZARDOUS LOCATIONS. "

- DIN-Rail mount for industrial automation
- Intel® Celeron® Bay Trail-M N2930
- Windows 10/8/7

Certified Class 1, Division 2 & ATEX Zone 2
Certified AWS IoT Greengrass
Fanless cooling system
64 GB mSATA SSD
One USB 3.0, three USB 2.0
RS-232/422/485, VGA
Four RJ45, 20 Pin DI/DO
+9~36V DC power input with isolation
-20°C to 60°C operating temperature

Accessories

Standard

Open Wire Power Cable	10 pin Terminal Block female connector for DIDO	3 Pin Terminal Block to 2.5 female adapter	Power Cord
Power Cord	Driver CD	Cable Holder Clip	DIN Rail Mounting Clip

IoT Gateway
EAC Mini EACIL20

" CONNECT EVERYTHING. CONTROL EVERYWHERE. "

- Intel® Celeron® N3350 Apollo Lake
- Windows 10, Ubuntu 16.04
- Expansion with 30+ combinations

Certified Microsoft Azure for IoT
Certified AWS IoT Greengrass
4 GB LPDDR3, 32 GB eMMC, optional mSATA
Expansion module design
Fanless cooling system
Two USB 3.0, two Giga LAN RJ45
HDMI, supports 1920 x 1080@60 Hz
Desk, wall, VESA, DIN-Rail mount
Operating temperature 0~55°C

Accessories

Standard

Terminal Block 2 pin to 2.5Ø Female Adapter Cable	Open Wire Cable with terminal block 2 pin connector	WLAN External Antenna	WWAN External Antenna

Optional

AC Adapter 12V/36W	VESA Mount Kit	DIN Rail Mount Kit

Custom configuration

Up to **4 GB**	Up to **128 GB**
Memory	Storage

Up to **1 TB**	
mSATA	SMA Antenna

Expansion Module

Application

Factory Building Automation

"REDUCE BUILDING MAINTENANCE AND OPERATIONS COST."

Modern factory that consist of several buildings installed Winmate's solution for utility management. Complex system includes automation to control HVAC, lighting, utility consumption and access control systems.

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Up to 128 GB

Storage   SMA Antenna

Application

Equipment Automation in a Car Factory

"OPTIMIZE OPERATIONS OF SURFACE POLISHING STATION."

IoT Gateway and vibration sensors were installed in a car factory at the surface polishing station. The system measures the real time speed and vibration of the polisher to ensure operator is within safety limits.

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IoT Gateway
EAC Mini EACIL21

Microsoft Azure Certified   aws   qualified device Internet of things

" TRANSFER POWER AND DATA SIMULTANEOUSLY. "

- Intel® Celeron® N3350 Apollo Lake
- Windows 10, Ubuntu 16.04
- USB Type-C alternating mode

Certified Microsoft Azure for IoT
Certified AWS IoT Greengrass
4 GB LPDDR3, 32 GB eMMC
Fanless cooling system
USB Type-C, two USB 2.0 Type-A
Alt mode: DP output, USB data, power delivery
Two Giga LAN RJ45
Desk, wall, VESA, DIN-Rail mount
Operating temperature 0~55°C

Accessories

Standard

Terminal Block 2 pin to 2.5Ø Female Adapter Cable	Open Wire Cable with terminal block 2 pin connector	WLAN External Antenna	

Optional

Single-side Lockable USB Type-C Cable	Dual-side Lockable USB Type-C Cable	DIN Rail Mount Kit	USB Type-C Male Cable
AC Adapter 12V/36W	VESA Mount Kit		

IoT Gateway
EAC Mini EACIL67

"WITHSTANDS WATER DROPS AND RAIN."

- Intel® Celeron® N3350 Apollo Lake
- Windows 10, Ubuntu 16.04
- Waterproof enclosure

Certified Microsoft Azure for IoT
Certified AWS IoT Greengrass
Fanless cooling system
4 GB LPDDR3, 32 GB eMMC
USB Type-C, USB 2.0
Alt mode: DP output, USB data, power delivery
Two Giga LAN RJ45
Desk, wall, VESA mount
IP67-rated water and dust proof
Wide operating temperature -20~60°C

Accessories

Standard

M12 to Open Wire DC Cable	WLAN External Antenna

Optional

Waterproof RJ45 LAN to Standard RJ45 LAN Cable	Waterproof USB Type-A male to Standard USB	Waterproof USB Type-C to Standard USB Type-C Cable	Waterproof USB Type-C to Lockable USB Type-C Cable
M12 to Open Wire DC with CANBus Cable	VESA Mount Kit	Type-A female Cable	

Custom configuration

Up to 128 GB	
Storage	SMA Antenna

Application

Renewable Energy Plant

"REMOTE CONTROL AND DATA ANALYSIS."

Large European company modernizes the equipment of solar energy power inverters. IoT gateways now collect information from IP cameras and other external devices and directly send to router and internal LAN network.

Custom configuration

Up to 2 GB	**Up to 64 GB**	SMA Antenna
Memory	Storage	

Expansion Module

Application

Beer Factory Automation Systems

"OPEN SOURCE PLATFORM ALLOWS CUSTOMIZATION."

A customer decided to deploy an Android-based gateway for automation of a modern brewery. Android platform enables easy customization and shortens software development cycle.

IoT Gateway
EAC Mini EACFA20

" FOR YOUR ANDROID-BASED APPLICATION. "

- Freescale i.MX6 Arm® Cortex®-A9
- Android 6.0, Ubuntu 16.04
- Expansion with 15+ combinations

Expansion module design
Fanless cooling system
16GB eMMC
Two USB 2.0, one USB OTG
Two Giga LAN RJ45
HDMI, supports 1920 x 1080@60 Hz
Desk, wall, VESA, DIN-Rail mount
Operating temperature 0~55°C

Accessories

Standard

Terminal Block 2 pin to 2.5Ø Female Adapter Cable	Open Wire Cable with terminal block 2 pin connector	WLAN External Antenna	WWAN External Antenna

Optional

AC Adapter 12V/36W	VESA Mount Kit	DIN Rail Mount Kit

Embedded Computing
EAC PRO-IK90

" ABUNDANT I/O CONNECTIVITY. "

- Flexibility, connectivity and multi-expansion
- 6th Generation Intel® Xeon E3
- 7th Generation Core™ i7/i5/ i3
- Windows 10 IoT Enterprise

Fanless cooling system
64 GB mSATA SSD
2 x Swappable 2.5″ SATA 3.0 (6 Gb/s) 2 x Onboard 2.5″ SATA 3.0 (6 Gb/s) Support RAID 0/1/5/10
USB 3.0, USB 2.0
RS-232/422/485, two RJ-45, HDMI 1.4a
Active three display VGA + DP + DP
Optional Wi-Fi or 3G
Panel mount, VESA mount
-15°C to 55°C operating temperature

Accessories

Standard

Mounting Clips and Screws   2 pin Terminal Block   AC Adapter   Power Cord   Driver CD

Custom configuration

Up to 4 GB	Up to 1 TB
Memory	Storage

3G

3G

Wi-Fi

Expansion Module

Application

Factory Control Point

"POWERFUL CENTRAL CONTROL COMPUTER."

The rich I/O capacity and powerful computing of the EAC Pro allows it to act as the central computer for a factory control center.

Embedded Automation Controller
I330EAC-IKW

Application

Industrial Machine Equipment Automation

"HIGH PROCESSING POWER AND ABUNDANT INTERFACES."

The I330EAC-IKW installed inside industrial machine to connect industrial equipment for automated process of a chocolate production line in Europe.

" FOR HEAVY DUTY INDUSTRIAL APPLICATIONS. "

- Certified IEC 60945
- Intel® Core™ i5-7200U Kaby Lake
- Windows 10 IoT Enterprise

Fanless cooling system
Four USB 3.0
RS-232/422/485, two RJ45
HDMI, VGA
Shock, vibration resistant
Aluminum housing
VESA mount, wall mount, desktop
-10°C to 55°C operating temperature

Accessories

Standard

AC Adapter	Power Cord	Driver CD

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Embedded Computing
FA30SB3-210

Up to 2 GB — Memory

PoE

Micro SD

DIDO

2 x — RS-232

Quad-core — CPU

Application

Manufacturing Automation

"LOW POWER CONSUMPTION ARM SOLUTION."

Industrial equipment OEM company was looking for an Linux solution for their automatic packaging machine. The fanless Arm-based embedded computer with two RS-232, one RS-232/422/485 and DIDO ports ideally meet the customer requirements.

" **ARM BASED EMBEDDED SOLUTION.** "

- Aluminum housing
- Arm® Cortex®-A9 i.MX6 Dual-core
- Android 6.0, Linux 4.1.15, Ubuntu 16.04

Fanless cooling system
16 GB eMMC
USB 2.0, USB OTG
RS-232/422/485, RJ45
CANbus, micro HDMI
Micro SD/ SDHC card slot
Aluminum profile with fin housing
Desktop, wall mounting
-20°C to 60°C operating temperature

Accessories

Standard

2 pin Terminal Block	AC Adapter	Power Cord	Driver CD

Up to 8 GB

Memory

AR Glass

Glove Mode

Mini PCIe SSD

Up to 256 SSD

Storage

Application

Production Line Machine Controller

"FAST PRODUCT DEPLOYMENT IN THE FACTORY."

Sealed to IP69K Winmate's 15-inch stainless panel PC was deployed as a machine controller in the biscuit production line.

Stainless Panel PC
IP69K Series

" **WITHSTANDS HIGH PRESSURE WASHDOWNS. EASY-TO-CLEAN.**"

- 10.4~21.5-inch screen with P-Cap touch
- Intel® Celeron® N2930 Bay Trail-M
- Intel® Core™ i5-7200U Kaby Lake
- Windows 10/8/7

4 GB DDR3L 1600
64 GB mSATA SSD
USB A-Type
RS-232
RJ45-10/100/1000 Mbps
VESA mount, yoke mount
SUS304 stainless steel
Power input 12V DC, lockable power jack
IP69K waterproof and dustproof
Operating temperature 0~45°C

Accessories

Standard

AC Adapter	Power Cable	Power Converter Cable	RS-232 Cable	VESA Screws

Optional

USB Cable for Touch

Stainless Display
IP69K Series

" MEET HIGH HYGENIC REQUIREMENTS. "

- 10.4~21.5-inch screen with P-Cap touch
- Chassis housing
- IP69K-rated

VGA input	
USB A-Type	
SUS304 stainless steel	
VESA mount, yoke mount	
Power input 12V DC, lockable power jack	
IP69K waterproof and dustproof	
Operating temperature -10~55°C	

Accessories

Standard

AC Adapter	Power Cable	VGA Cable	USB Cable for Touch	VESA Screws

Optional

DVI Cable

Custom configuration

AR Glass

DVI

Glove Mode

Application

Chemical Manufacturing

"RESISTANT TO CORROSION AND HIGH PRESSURE WASHDOWNS."

The IP69K displays were installed in the automatic packaging production line of a pharmaceutical plant. Corrosion resistance and IP69K rating of the unit meets the hygienic requirements.

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Stainless Panel PC
IP67 Series

" SCRATCH RESISTANT TOUCH SCREEN. "

- 10.4~21.5-inch screen with resistive touch
- Intel® Celeron® N2930 Bay Trail-M
- Windows 10/8/7

4 GB DDR3L 1600
64 GB mini PCIe SSD
USB Type-A
RS-232
RJ45-10/100/1000 Mbps
SUS304 stainless steel
VESA mount, yoke mount
Power input 12V DC, lockable power jack
IP67 waterproof and dustproof
Operating temperature 0~45°C

Accessories

Standard

AC Adapter	Power Cable	RS-232 Cable	Ethernet Cable	USB Cable
VESA Screws				

Stainless Display
IP67 Series

Custom configuration

Resistive Touch Black Coating

" RUGGED AND RELIABLE. "

- 10.4~19-inch screen with resistive touch
- Chassis housing
- IP67-rated

VGA input
USB A-Type
SUS304 stainless steel
VESA mount, yoke mount
Power input 12V DC, lockable power jack
IP67 waterproof and dustproof
Operating temperature -10~55°C

Application

Security Checkpoint

"DECREASE DOWNTIME"

As a part of access control system of the security checkpoint, water and dust resistant display was installed to show the status of a particular cargo truck to the controller.

Accessories

Standard

AC Adapter   Power Cable   VGA Cable

Application

Automatic Sorting Line

"MAKES SORTING FASTER AND MORE ACCURATE."

New fully automated parcel sorting station now has a waterproof IP65-rated panel PC that helps operator to visualize the status and package distribution within the sorting station.

Stainless Panel PC
IP65 Series

" STAINLESS RUST PROOF HOUSING "

- 10.4~21.5-inch screen wth P-Cap touch
- Intel® Celeron® N2930 Bay Trail-M
- Intel® Core™ i5-7200U Kaby Lake
- Windows 10/8/7

4 GB DDR3L 1600
64 GB mini PCIe SSD
USB Type-A
RS-232
RJ45-10/100/1000 Mbps
SUS304 stainless steel
VESA mount, yoke mount
Power input 12V DC, lockable power jack
IP65 waterproof and dustproof
Operating temperature 0~45°C

Accessories

Standard

AC Adapter	Power Cable	RS-232 Cable	Ethernet Cable	USB Cable
VESA Screws				

Stainless Display
IP65 Series

" RUGGED AND RELIABLE. "

- 10.4~21.5-inch screen with resistive touch
- Chassis housing
- IP65-rated

VGA input

USB A-Type

SUS304 stainless steel

VESA mount, yoke mount

Power input 12V DC, lockable power jack

IP65 waterproof and dustproof

Operating temperature -10~55°C

Accessories

Standard

AC Adapter   Power Cable   VGA Cable

Application

Packaging Automation

"AUTOMATION HELPED US REDUCE COSTS AND IMPROVE PROFIT MARGINS."

Semi - automated packaging machines on the production line significantly increase packaging line flexibility. Automation results in smooth production and efficiency increase.

Beverage Bottling Plant

"ABLE TO WITHSTAND ANY ENVIRONMENTS."

The Full IP65 Box PC was configured to be a machine controller in a beverage bottling line. The operator wanted to ensure constant uptime, and required waterproof interface for protection against spills.

Embedded Computing
F65EAC-IK32

" WATERPROOF. FOR HARSH ENVIRONMENTS. "

- Intel® Core™ i5-7200U Kaby Lake
- Windows 10 IoT Enterprise
- IP65-rated

Intel® chipset
Three USB 2.0
RS-232
Two RJ45
VGA
+9~36V DC power input with isolation
Vibration, shock resistance
Aluminum housing
Desktop, wall mount
IP65 water and dust proof
0~50°C operating temperature

Accessories

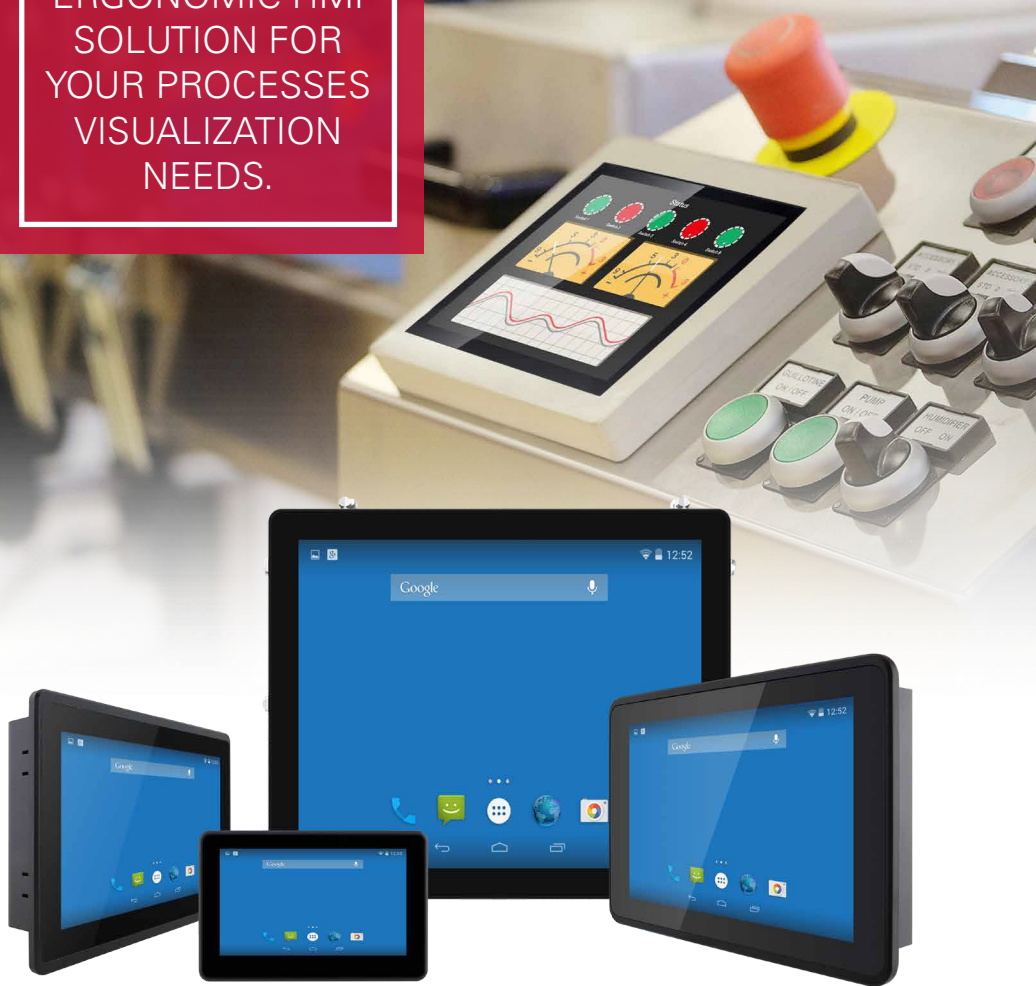**Standard**

Mounting Clips and Screws	Power Cable with Adapter	DC Power Cable	Serial Cable
USB Cable	VGA Cable	LAN Cable	Driver CD

EL SERIES HMI
COMPACT AND ERGONOMIC HMI SOLUTION FOR YOUR PROCESSES VISUALIZATION NEEDS.

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