

Applications

Discrete Manufacturing Markets

HVAC | Water Pump Systems | CNC Machining Tools

Advantages



Up to 400cd/cm² luminance



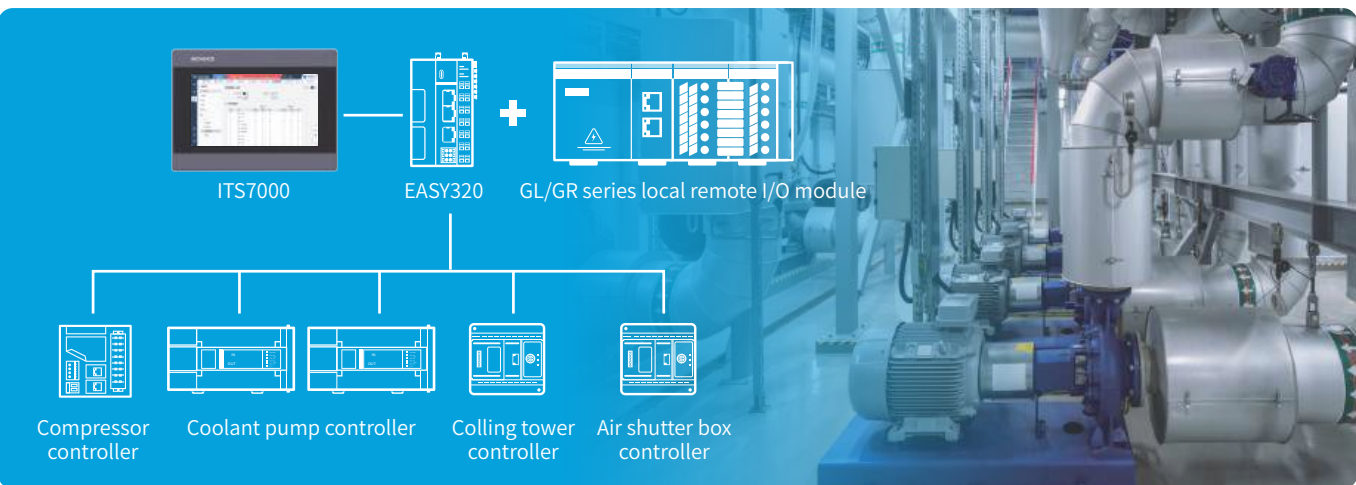
Javascript supported



Million-level data records

Value

- Guaranteed stable performance in most normal conditions
- Edge computing accelerates local data processing
- With secure and reliable analytics



Motion Control Solution

Packaging Machinery

Value

- Modular programming accelerates development by 40%
- Smart OEE analytics streamlines debugging
- 40% higher equipment productivity

Advantages



Tag access communication



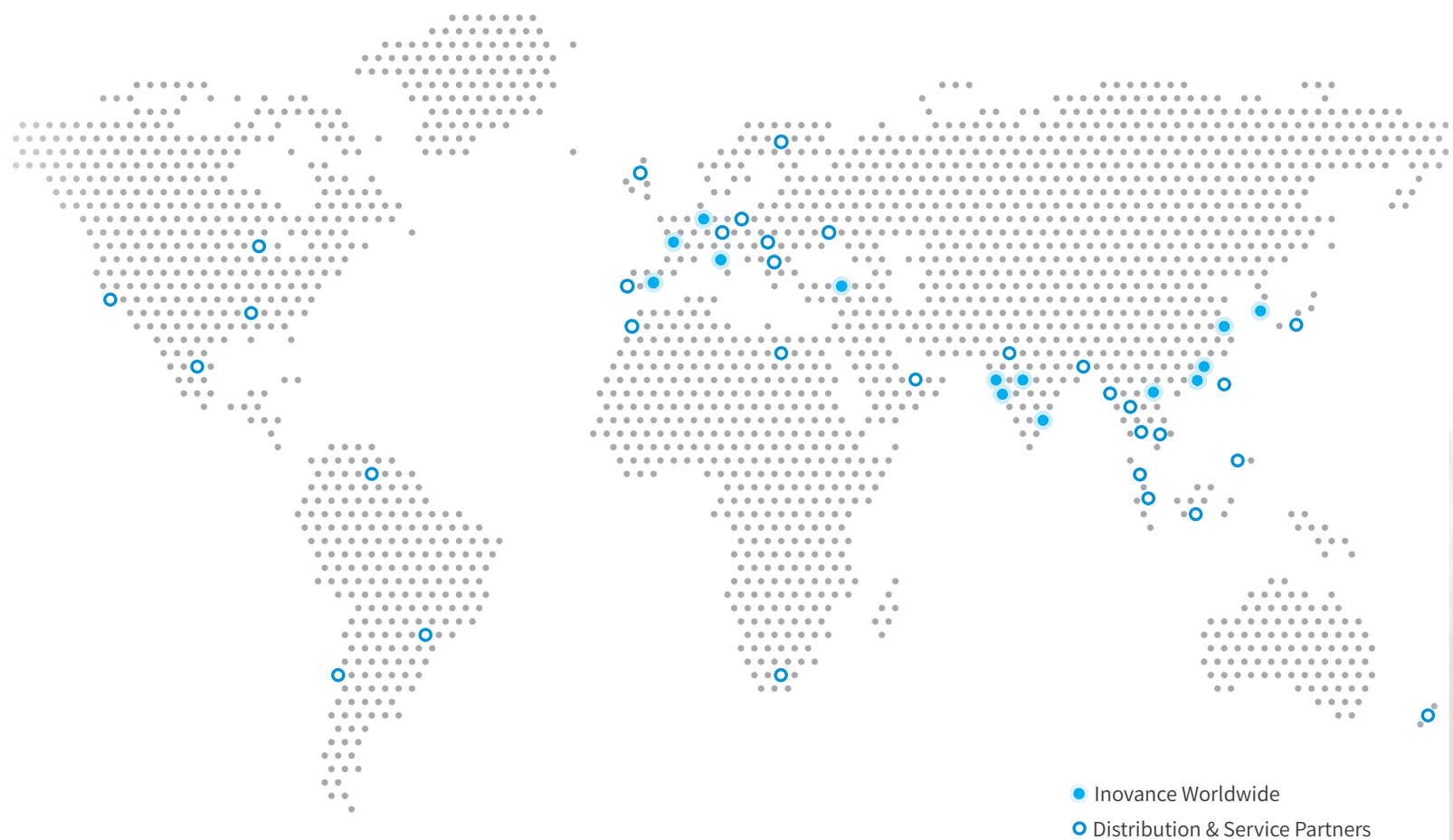
Standardized template



Statistical report generation



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INOVANCE

ITS7000 Series HMI

New generation general purpose; easy integration with any control system



- Dual-core / Quad-core processor
- IP66 rating (front side)
- 7", 10.1", 15.6" display sizes
4.3" coming soon
- Built-in Ethernet and serial ports
- Type-C debug port
- Fastest boot time in 8 seconds, 50% less than last generation



EtherNet/IP™



OPC UA



Functions & Features



■ Functionality

- Supports VNC remote access through mobile devices
- Trend chart & oscilloscope for continuous wave sampling
- Multi-language capability
- Support value alarm, deviation alarm, range alarm, etc.
- Alarm can be sent by email



Graphical capabilities

- Up to 1024 × 600 resolution on 7" model (24 bit colours)
- Customizable user interface

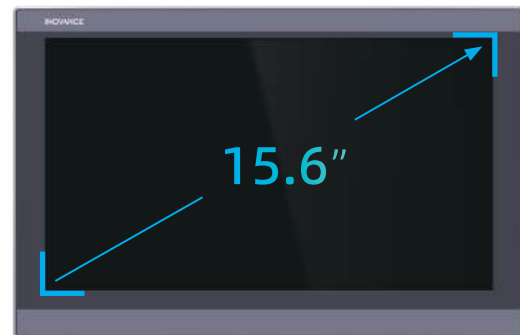
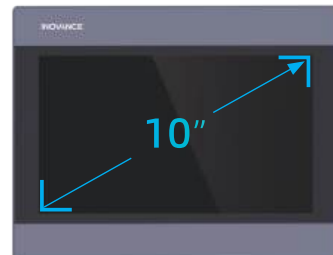
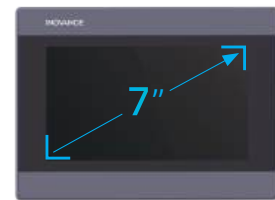


Flexible connectivity

- Serial port and/or Ethernet standalone and multi-device networking
- Supports products from a wide range of 3rd party manufacturers
- Support for OPC UA, EtherNet/IP and Modbus RTU/TCP protocols



- IIoT ready:
MQTT implementation. Easy connection to any server



Easy PLC adaption

- Exclusive tag communication with automatic synchronization
- Axis and IO control combination binding
- Supports online and offline simulation
- Communication with dedicated RS485 cable
- USB type-C port for program upload/download



■ Programming

- User friendly **InoTouchPad** PC configuration software (Windows 11 compatible)



- Javascript and Canvas control for free graphic drawing
- Dedicated communication protocols, and access to external databases



■ Data management

- **USB type-C port** port for easy data management
- Maintains comprehensive historical data records
- Support U-disk storage, up to 5 million data records

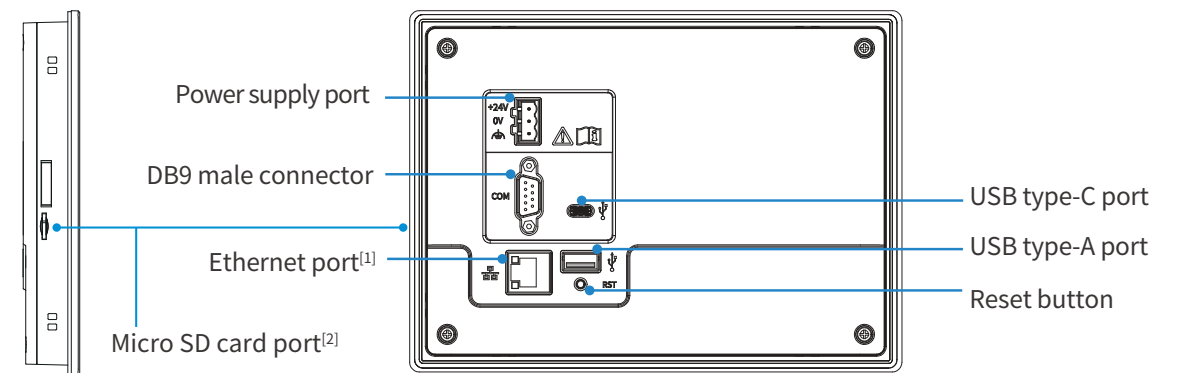
Ordering code

ITS7 070 E H - G - INT

① Product series ITS: ITS7000 series HMI	④ Resolution None: Standard resolution H: High resolution
② Display size 070: 7" 100: 10.1" 156: 15.6"	⑤ Cover colour G: Light grey None: Dark grey (default)
③ Configuration S: Standard E: Enhanced P: Professional	⑥ Version: INT: International variant

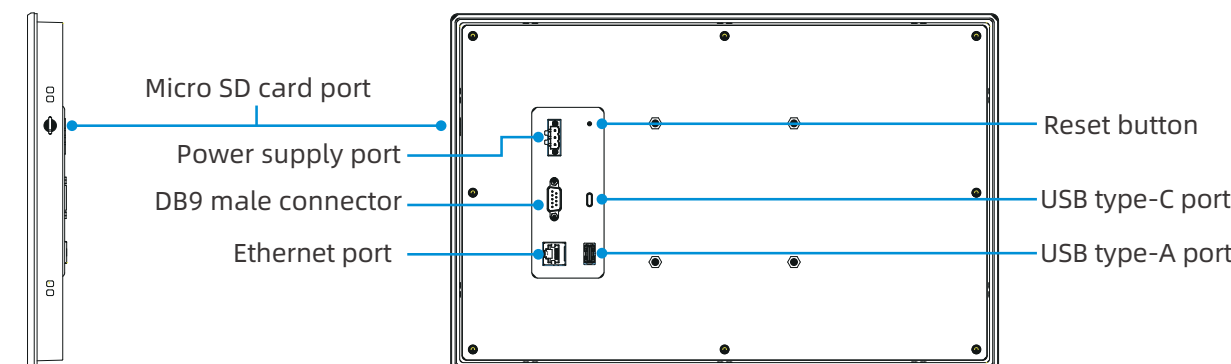
Terminals

ITS7070 / ITS7100



Note: [1] No Ethernet port on ITS7070S.
[2] ITS7070 variants don't support.

ITS7156



Specifications

Model	ITS7070EH-INT	ITS7100P-INT	ITS7156E-INT
Display size	7.0"	10.1"	15.6"
Resolution	1024 × 600	1024 × 600	1920 × 1080
Brightness	400cd/m²	350cd/m²	250cd/m²
Display colour	24-bit true colour		
Backlight	LED		
Display type	Landscape / portrait		
Backlight service life	25000H	30000H	30000H
CPU	Dual-core Cortex- A7	Quad-core Cortex -A7	Quad-core Cortex -A7
DRAM	128MB	256MB	512M
Flash	128MB	256MB	8GB
Ethernet interface	1	1	1
Serial port	COM1 (RS485/RS422)	COM1 (RS485/RS422)	COM1 (RS422/RS485)
	COM2 (RS232)	COM2 (RS232)	COM2 (RS232)
	COM3 (RS485)	COM3 (RS485)	COM3 (RS485)
USB type-C	1		
USB type-A	1		
SD card interface	x	√	√
Power	·Input voltage: 24 VDC ± 20% ·Rated input current: 360mA	·Input voltage: 24 VDC ± 20% ·Rated input current: 450mA	·Input voltage: 24 VDC ± 20% ·Rated input current: 600mA
Dimensions (mm)	203 × 149 × 33	271 × 213 × 33	395 × 258 × 28.3
Weight	0.55kg	1.1kg	2kg
IP rating	Front side IP66, back cover IP20		
RTC	√		

Example system architecture

