INOVANCE

ITS7000 Series HMI

New generation general purpose, easy integration for industry control system

- ◉ Dual-core / Quad-core processor
- ◉ IP66 rating (front side)
- ◉ 7"& 10.1"& 15.6"display sizes

- ◉ Built-in Ethernet and serial ports
- ◉ Type-C debug port
- ◉ Fastest boot time in 8 seconds, 50% less than last generation

CE   c UL us LISTED   EtherNet/IP™   Modbus   OPC UA   MQTT

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 pushed by email

Programming

- User friendly **InoTouchPad** PC configuration software (Windows 11 compatible)
- Javascript and Canvas control for free graphic drawing
- Dedicated communication protocols,& access to external databases

Graphical capabilities

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

Data management

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

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,seamlessly connects to any server

Easy PLC adaption

- Exclusive tag communication,automatic synchronization
- Axis control and IO control combination binding
- Supports online& offline co-simulation
- Communication with RS485 specificated cable
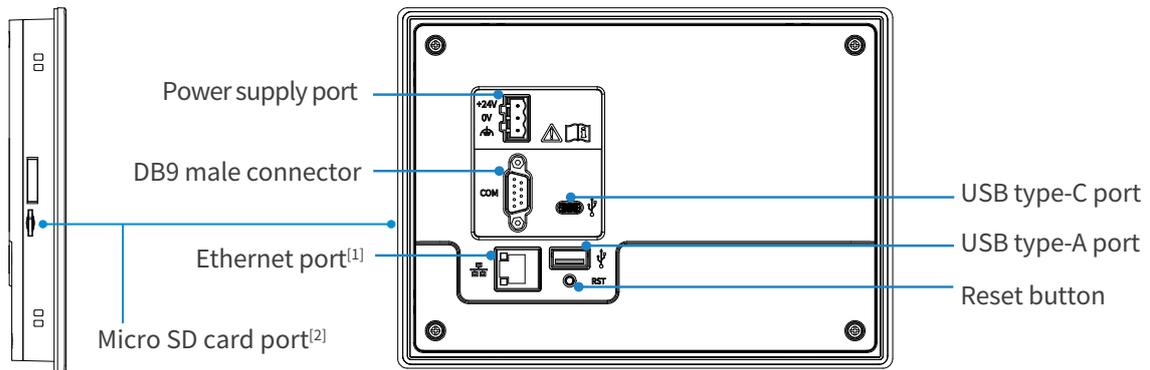- Type-C port for program upload/download*
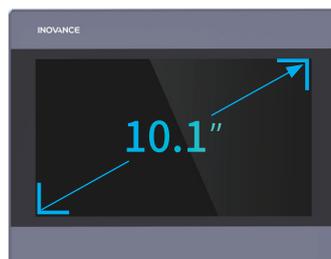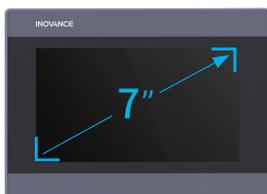
Ordering code

ITS7	070	E	H	-	G	-	INT
①	②	③	④		⑤		⑥

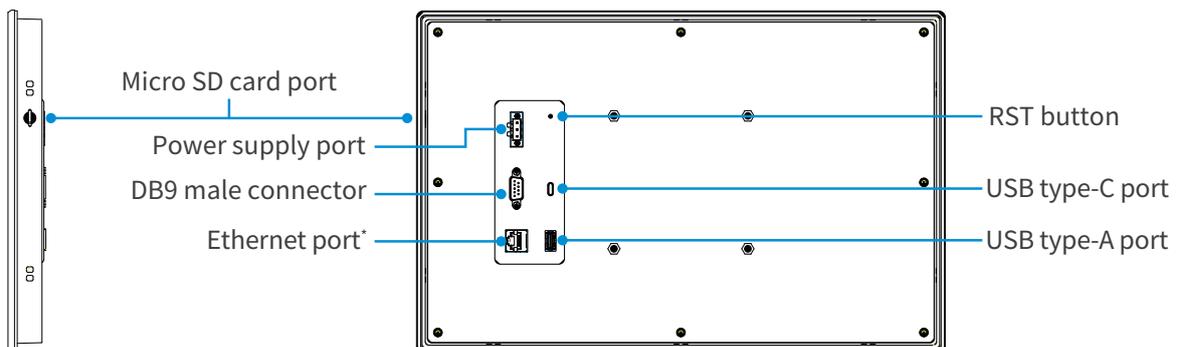|	
① **Product series** ITS: ITS7000 series HMI	④ **Resolution** None: Standard resolution H: High resolution
② **Display size** 070： 7" 100： 10.1" 156： 15.6"	⑤ **Cover colour** G: Light grey None: Dark grey (default)
③ **Configuration** S: Standard E: Enhanced P: Professional	⑥ **Version:** INT: International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

Terminals

ITS7070 / ITS7100

Power supply port

DB9 male connector

Ethernet port[1]

Micro SD card port[2]

USB type-C port

USB type-A port

Reset button

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

ITS7156

Micro SD card port

Power supply port

DB9 male connector

Ethernet port*

RST button

USB type-C port

USB type-A port

Specifications

Model	ITS7070S-INT ITS7070S-G-INT	ITS7070SH-INT ITS7070SH-G-INT	ITS7070E-INT ITS7070E-G-INT	ITS7070EH-INT ITS7070EH-G-INT	ITS7100P-INT ITS7100P-G-INT	ITS7156E-INT
Display size	7.0"				10.1"	15.6"
Resolution	800×480	1024×600	800×480	1024×600	1024×600	1920×1080
Brightness	350cd/m²	400cd/m²	350cd/m²	400cd/m²	350cd/m²	250cd/m²
Display colour	24-bit true colour					
Backlight	LED					
Display type	Landscape / portrait					
Backlight service life	35000H	25000H	35000H	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） COM2（RS232）		COM1（RS485/RS422） COM2（RS232） COM3（RS485）		COM1(RS485/RS422) COM2（RS232） COM3（RS485）	COM1 DB9（RS422/RS485） COM2 DB9（RS232） COM3 DB9（RS485）
USB type-C	1					
USB type-A	1					
SD card interface	x				✓	✓
Power	·Input voltage: 24V DC, scope of work 9V DC~28V DC ·Rated input current: 360mA				·Input voltage: 24V DC, scope of work 9V DC~28V DC ·Rated input current: 450mA	·Input voltage: 24V DC±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
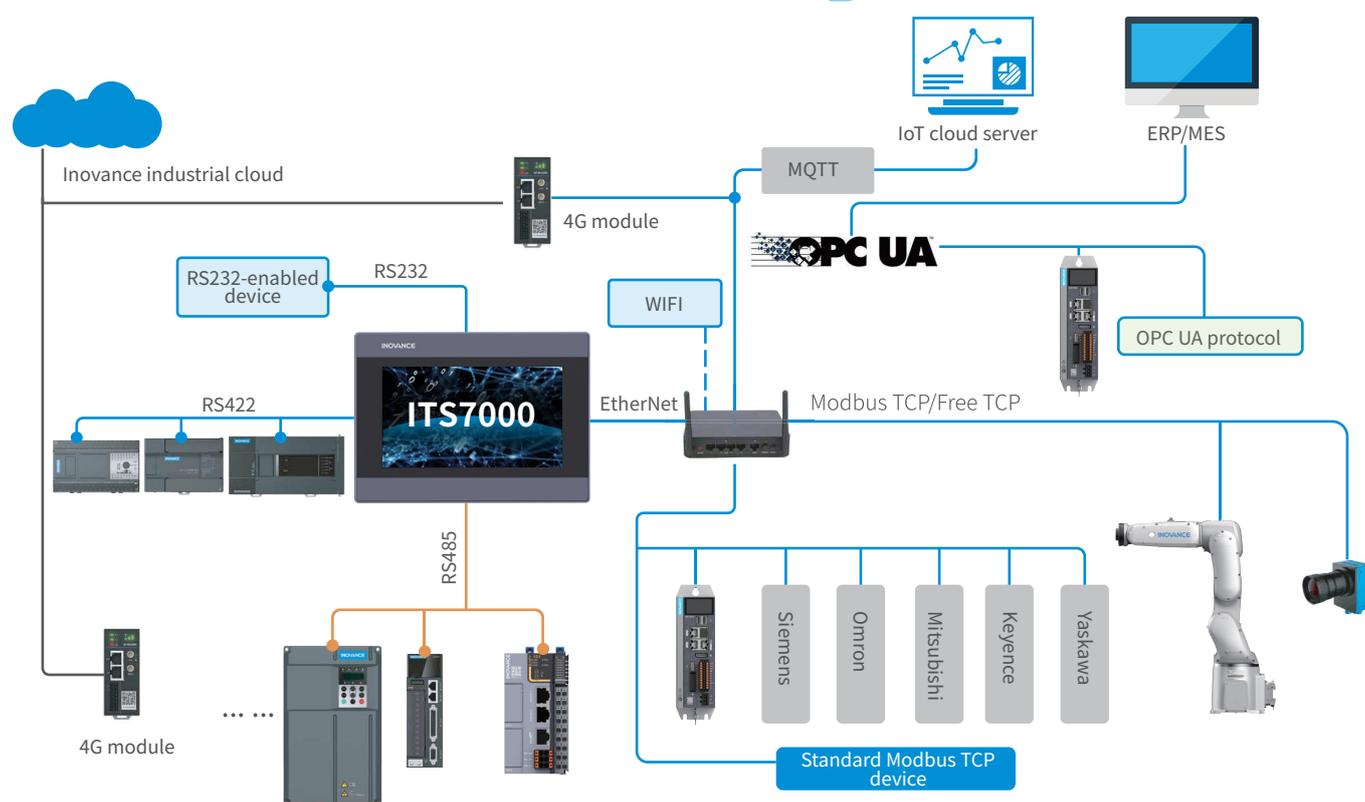
Applications

Discrete Manufacturing Markets

HVAC | Water Pump Systems | CNC Machining Tools

Advantages
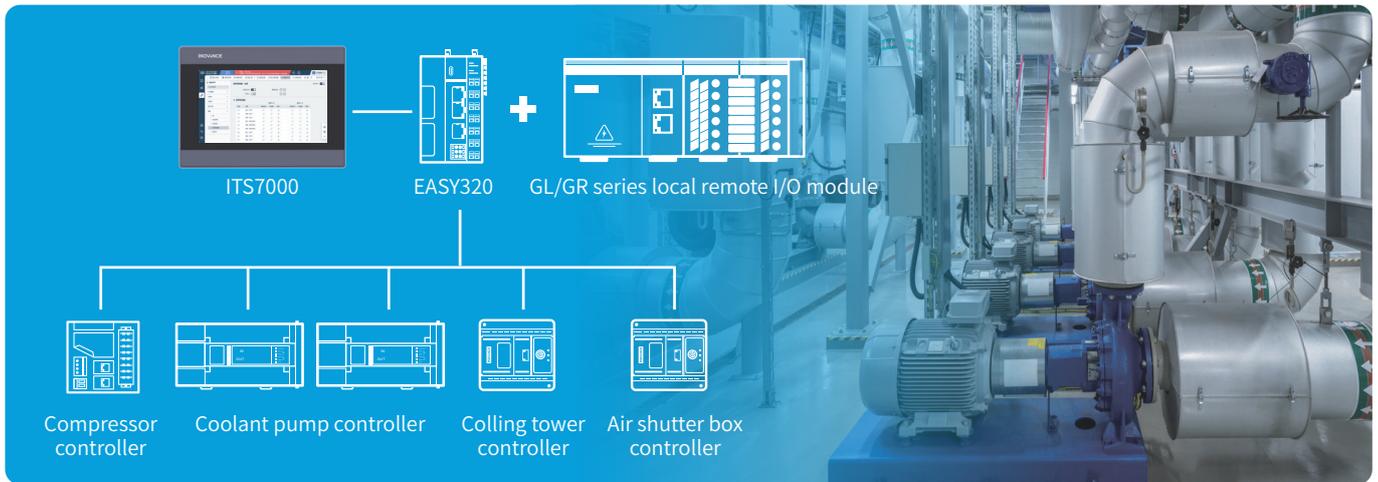
Up to 400cd/cm^2 luminance

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

ITS7000 — EASY320 + GL/GR series local remote I/O module

Compressor controller

Coolant pump controller

Colling tower controller

Air shutter box controller

Motion Control Solution

Packaging Machinery-Single-Packaging Unit Applications

Value

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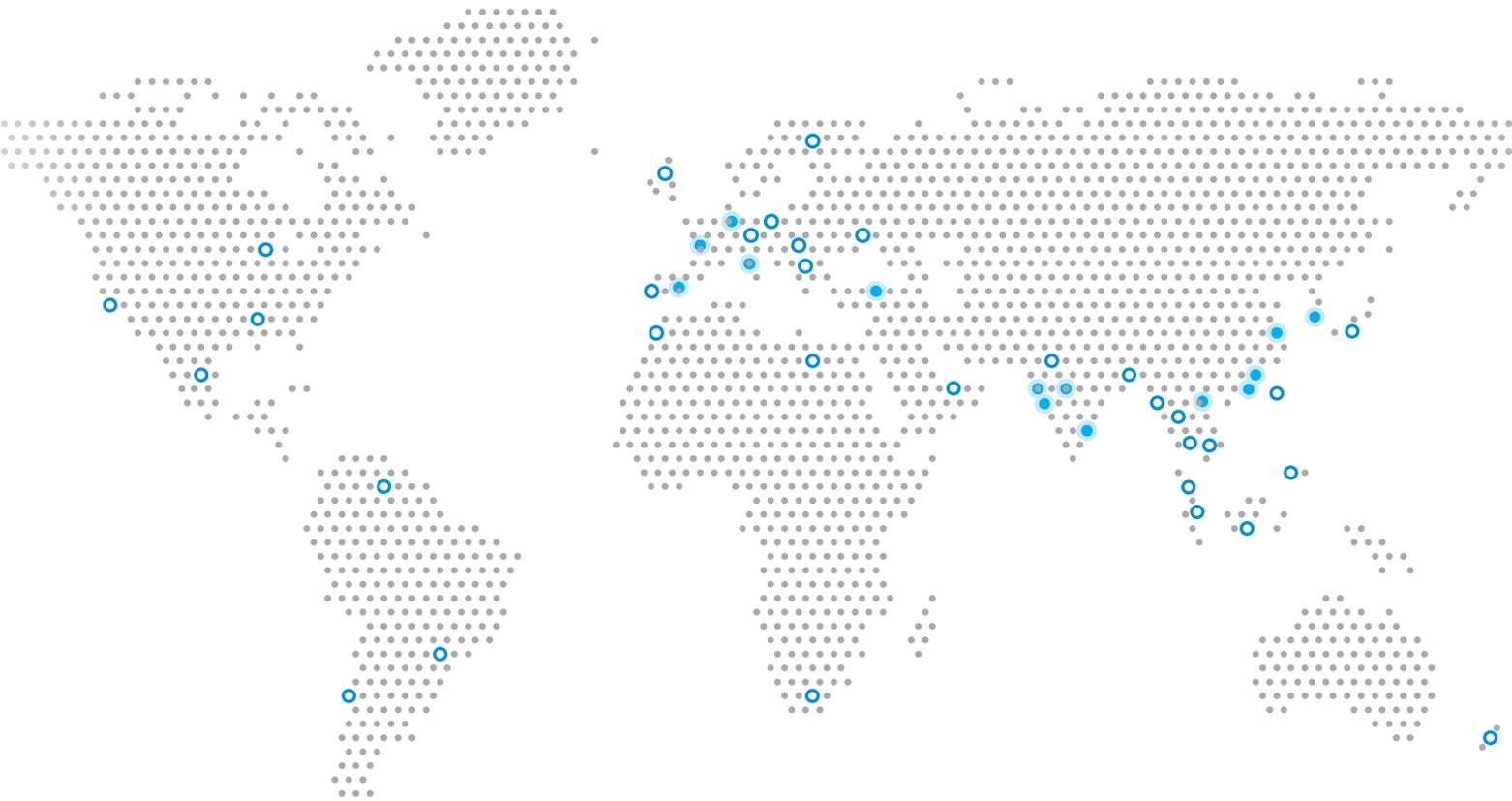
Advantages

Tag access communication

Standardized template

Statistical report generation

ITS7000 — AC703

Servo drive

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○ Distribution & Service Partners

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