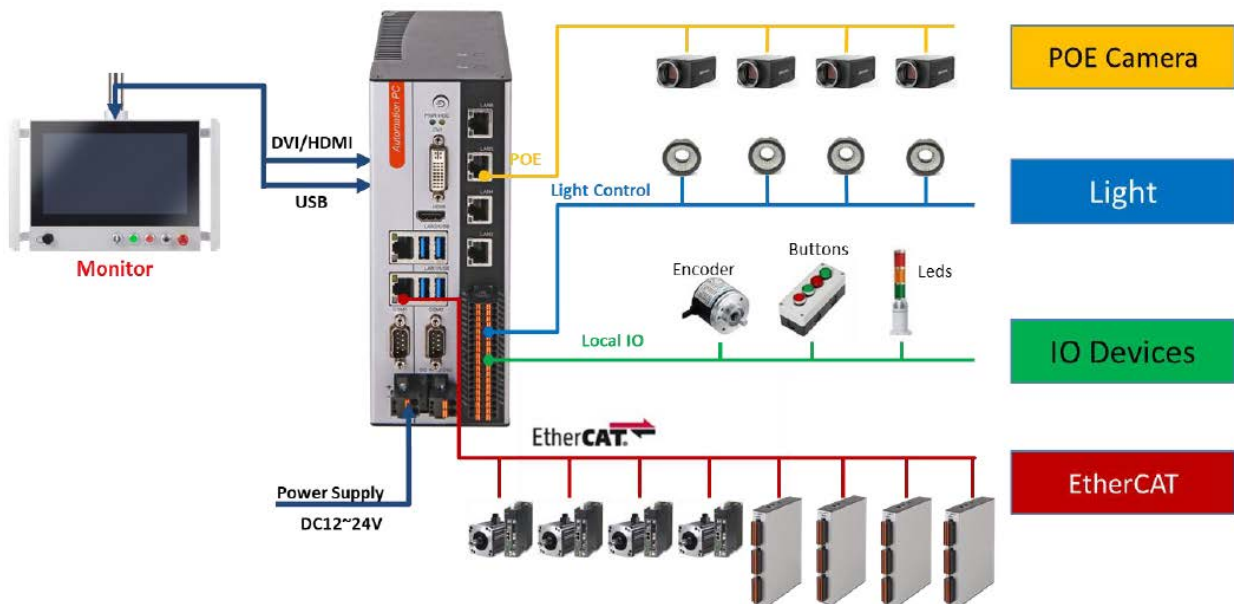


**Model:** APC-8100  
**Automation PC with 8th Gen. Intel® Core™ i3 processor, 2 x GLAN, 2 x RS232/485, supporting Real-time OS ...**



## Application:

Factory Automation; Processor Automation; Intelligent Traffic Control; Vision Inspection ...

Specification	
Product Model	APC-8100
Processor	Intel® Core™ i3-8100 Processor (6M Cache, 3.60 GHz)
Memory	2 x DDR4 SO-DIMM Socket with 8 GB RAM (Optional upgrade up to 64GB)

Storage	1 x full size mSATA slot with 128GB SSD (Optional upgrade up to 2TB)
LAN	2 x Intel® i210, Gigabit LAN Controller
USB port	4 x USB 2.0/3.0 and 1 x USB 2.0 (internally)
COM port	2 x optical isolated RS232/485 (with 8KV ESD and 600W Surge protection), RS-485 supporting auto flow control
Graphic	<ul style="list-style-type: none"> <li>• 1 x DVI Port Supports the highest resolution 1920X1080 @60Hz</li> <li>• 1 x HDMI port Supports the highest resolution 4096x2304 @24Hz, 3840x2160 @60Hz</li> </ul>
Expansive interface	1 x full size Mini PCI-E slot with SIM holder for WIFI, 3/4G, CAN module
Expansion Model <u>(Optional)</u>	4 x Intel® i210 GLAN, PoE 15Watt; 4 x PWM light control, 4 x External source trigger input; 16 x isolated DIO (8 x DI, 8 x DO)
I/O port	2 x RJ45; 4 x USB 2.0/3.0; 1 x DVI; 1 x HDMI; 2 x RS232/RS485; 1 x Power Switch; 2 x DC input
Power Supply	12 - 24VDC (Redundant input)
Construction	Heavy duty steel and aluminum
Watchdog Timer	1 - 255 second programmable
Supporting OS	Windows 10; Linux; Real-time operating system (RTOS) such as VxWorks, INtime...
Environment	Operating temperature: -20 °C to 60 °C Storage temperature: -40 °C to 80 °C Storage humidity: 10% to 90% non-condensing Vibration: 17 to 500HZ 1G PTP; Shock: 1G /peak ( 11m sec)
Safety	CE/FCC/Rohs
Dimension W x H x D ( mm )	200 x 150 x 58 <u>or</u> 75 - with expansion module)

## Ordering Information

APC-8100	Automation PC with Intel® Core™ i3-8100 Processor, 8GB RAM & 128GB SSD
Optional - APC-GIO (Expansion Module)	4 x Intel® i210 GLAN, PoE 15Watt; 4 x PWM light control, 4 x External source trigger input; 16 x isolated DIO (8 x DI, 8 x DO)
Optional - Adapter	110-240VAC to 12 VDC 120 watt Power adapter
Optional - RAM	Upgrade to 16 / 64GB DDR4 SO-DIMM RAM
Optional - SSD / HDD	Upgrade to 256 / 512GB <u>or</u> 1 / 2 TB SSD
Optional - OS	Windows 10 Professional <u>or</u> IoT Enterprise

## Structure Diagram

