

# ICO310

Robust DIN-rail Fanless Embedded System with Intel® Celeron® Processor N3060/N3160, 2 COM, 4 USB, 2 GbE LANs (1 PoE PD), DIO and RTC

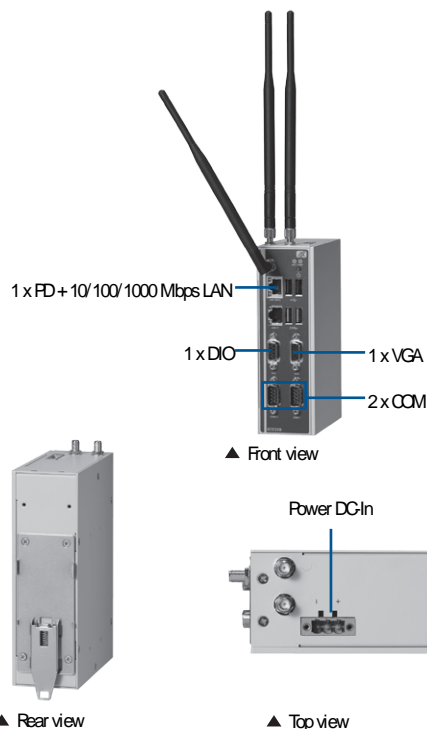
## Features

- Fanless design
- Intel® Celeron® processor N3060 (1.6 GHz/2-core) or N3160 (1.6 GHz/4-core)
- 2 RS-232/422/485 ports
- 4 USB ports
- 2 isolated 10/100/1000 Mbps Ethernet ports
- 1 PoE PD compliant with IEEE 802.3at standard through LAN 1
- 1 DIO port
- Supports wireless (3G/GPRS & Wi-Fi)
- 1 mSATA & SATA SSD (or HDD)
- 12 ~ 24 VDC wide range power input



## Specifications

Standard Color	White	
Construction	Extruded aluminum and heavy-duty steel, IP40	
CPU	Intel® Celeron® processor N3060 (1.6 GHz/2-core) or N3160 (1.6 GHz/4-core)	
System Board	SBC87887	
System Memory	1 x DDR3L-1600 SO-DIMM, up to 8GB	
BIOS	AMI UEFI BIOS	
System I/O Outlet	Serial Port	2 x RS-232/422/485 (COM 1/2) with DB9 connectors Interface select by BIOS Supports Auto Flow Control in RS-485 mode
	USB	2 x USB 3.0 2 x USB 2.0
	RTC	Battery onboard
	Storage	1 x mSATA 1 x SATA SSD (or HDD)
	LAN	2 x 10/100/1000 Mbps Ethernet (Intel® i211AT) 1 x PoE PD compliant with IEEE 802.3at standard through LAN 1 (ICCB10-N3060-PD-DC, ICCB10-N3160-PD-DC)
	Power Input	DC terminal block: 12 ~ 24V DC-In PoE IEEE 802.3at
	Display	VGA
	Wireless	2 x full-size PCI Express Mini Card slots 1 x SIM socket 3 x Antenna (PS one of Mini Card slots co-lay mSATA, supports either mSATA or full size PCI Express Mini Card)
	DIO	1 x DIO
		- DB9 8-bit programming connector - The voltage of TTL is 5V. - Without isolation function - The programming is as follow: 1. I/O sink current is 8 ~ 10mA (Output drive current ±50 mA) 2. Input/Output can programming



Watchdog Timer	255 levels, 1 ~ 255 sec
System Indicator	Power, active, COMs (TX/RX)
Power Supply	Power Input Range: 12 ~ 24 VDC Power Input Rating: 12 ~ 24 VDC, 2.09 ~ 1.09A
	Power Protection: DC Version OVP, Reverse protection
Operating Temperature	-20°C ~ +60°C (-4°F ~ +140°F) * The frequency of CPU will down when system operating temperature over +55°C (ICCB10-N3060, ICCB10-N3060-PD, ICCB10-N3160) or over +50°C (ICCB10-N3160-PD)
	Humidity
Vibration Endurance	2G @ 5 ~ 500Hz, amplitude 0.35 mm (operation/storage/transport)
Weight	1.0 kg (2.2 lb) / 1.50 kg (3.3 lb)
Certificate	CE, FCC
Dimensions	48 mm (1.88") (W) x 110 mm (4.33") (D) x 155 mm (6.1") (H)
Mounting	DIN-rail, wall mount
OS Support	Windows® 7 Embedded
	Windows® 8 Embedded
	Windows® 8, Windows® 10
	Linux support package
Remote Management Software	AXView 2.0
	Intelligent Remote Management Solution for IoT

\* mSATA and wireless can be either one.

## Ordering Information

Standard	
ICC810-N3060-DC	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3060 (1.6 GHz/2-core), 2 CoM, 2 GbELANs (-20°C~+60°C)
ICC810-N3060-FD-DC	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3060 (1.6 GHz/2 core), 2 CoM, 1 GbELAN, 1 PoEFD+LAN (-20°C~+60°C)
ICC810-N3160-FB-DC	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3160 (1.6 GHz/4C), 2 CoM, 2 LAN, 1 DIQ, -20°C~+60°C with power button
ICC810-N3160-FD-DC	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3160 (1.6 GHz/4 core), 2 CoM, 1 GbELAN, 1 PoEFD+LAN (-20°C~+60°C)

### Optional

2.5" SATA SSD or HDD (with W.T. SSD or HDD)

mSATA 16GB ~ 512GB (with W.T. mSATA)

DDR3L SO-DIMM 2GB ~ 8GB (with W.T. memory)

Wall mount kit

Wireless (3G/GPRS or Wi-Fi) module

\* Specifications and certifications are based on options and may vary.

## Dimensions

