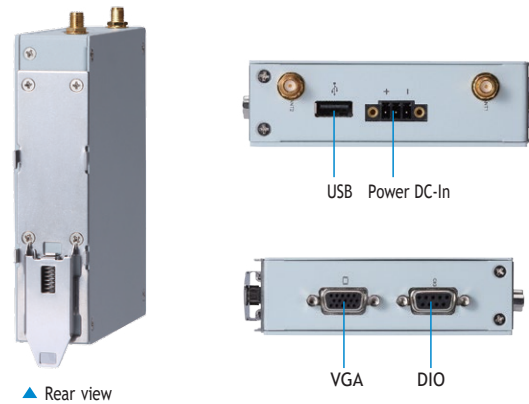
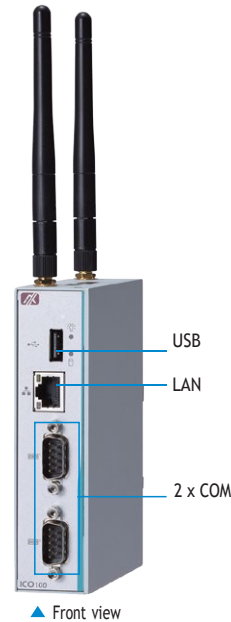


# FES100-839

Robust DIN-rail Fanless Embedded System with Intel® Celeron® Processor N3350, 2 COM, LAN, 2 USB and DIO

## Features

- Extreme cost-effective with fanless and cableless design
- Intel® Celeron® processor N3350, reliable F1 stepping version CPU
- 2 COM, 2 USB and GbE LAN
- 8-bit programmable DIO for IoT gateway applications
- Wide operating temperature range from -20°C to +70°C
- 12 to 24 VDC wide range power input
- Supports SocketCAN
- AMS.AXView intelligent remote monitoring software for IIoT



## Specifications

Standard Color	Sliver	
Construction	Extruded aluminum and heavy-duty steel, IP30	
CPU	Intel® Celeron® N3350 2C @1.1 GHz, TDP: 6W	
Chipset	SoC integrated	
System Memory	1 x DDR3L-1866 SO-DIMM, up to 8GB	
BIOS	AMI	
TPM	TPM 2.0	
System I/O Outlet Others	Serial	2 x DB9 RS-232/422/485
	Display	1 x VGA
	USB	2 x USB 2.0
	Ethernet	1 x RJ-45 isolated* 10/100/1000 Mbps Ethernet (Intel® i211-AT) *isolation voltage: 1.5 kV
	DIO	1 x DB9 8-bit programmable DIO
	Others	2 x Antenna opening
Extension Interface	2 x Full-size Rev. 1.2 PCI Express Mini Card slot: • 1 x mSATA/PCIe/USB • 1 x USB/PCIe with SIM socket	

Storage	SATA Drive	1x mSATA (occupied 1 x PCI Express Mini Card slot)
	eMMC	Optional
Watchdog Timer	255 levels, 1 to 255 sec.	
Power	Power Supply	1 x Terminal block, 12 to 24 VDC
	Power Consumption	12 to 24 VDC, 1.15-0.62A
System Indicator	1 x LED indicator for SATA drive activity 1 x LED indicator for power	
Operating Temperature	-20°C to +70°C (-4°F to +158°F) with W.T. peripheral*	
Humidity	0% to 95%	
Dimensions	31 mm (1.22") (W) x 100 mm (3.93") (D) x 125 mm (4.92") (H)	
Vibration Endurance	2 Gms with storage (5 to 500Hz, X/Y/Z direction; random operating)	
Weight (net/gross)	0.3 kg (0.67 lb)/0.51 (1.12 lb)	
Certifications	CE (Class A), FCC (Class A)	
EMC	CE/FCC	EN 55032 (Class A), EN 55024, FCC part 15 B (Class A)
EOS Support	Windows® 10 IoT, Linux	
Software Support	AMS.AXView	

\* Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

## Ordering Information

Standard	
FES100-839-N3350-2COM-DIO-DC (P/N: E22C100107)	Robust DIN-rail fanless embedded system with Intel® Celeron® processor N3350 (1.1GHz) 2 COM 1 GbE 1 DIO, operating temperature from -20 to 70° C, and TPM 2.0 reserved

Optional	
Communication Modules	8812C300GA0E 3G UC20GKit tBOX/ICO (20) (E) 8812C300HA0E 3G/GPS UC20GKit tBOX/ICO (20) (E) 8812C1200A0E AP12356 Wi-Fi kit for tBOX/ICO (E) 8812C1201A0E AP12356 WT Wi-Fi kit for tBOX/ICO (E) 881745003A0E LTE EC25 (EU) kit(20) for UST SFP (E) 8816N8108A0E LTE MC7430 (EU) kit for tBOX (E) 8816N8107A0E LTE MC7430 (EU)with GPS kit for tBOX (E) 8816N8104A0E LTE MC7455 (US) kit for tBOX810 (E) 8816N8103A0E LTE MC7455 (US) with GPS kit for tBOX810 (E) 8812C3008A0E LTE SIM7100C (TW) with extent antenna for ICO300 (E) 8812C300IA0E LTE SIM7100JC kit for ICO (20) JPN SFP (E) 8812C300EA0E LTE SIMCOM SIM7100C (TW) for ICO300 SFP (E) 8812C300DA0E LTE SIMCOM SIM7100E (EU) for ICO300 SFP (E)
AC to DC Adapter	50956A24040E Adapter 12V36W FSP036-RHBN3 with wire type

\* Specifications and certifications may vary based on different requirements.

## Dimensions

