FI Series Industrial PC

■ FI series Industrial PC is developed specially for wind turbine systems with HMI technology. As a HMI solution, it is used primarily for harsh enviroments and performance requirements for wind turbine systems demand HMI and automatic control functions, e.x. high interference resistance to interference and vibration, wide temperature tolerance.

◇ Key Features

▶ High-performance ultra-low power consumption CPU
▶ Multiple powerful communications interfaces
▶ HD LCD
▶ Excellent Construction and Design
▶ Wide Tolerance of Ambient Conditions
▶ Super Software Compatibility

◇ Technical Data

Specifications	FI104C (10-inches)	FI70C (7-inches)
Input Power	20 ~ 28Vdc	20 ~ 28Vdc
Rated Power	35W	35W
CPU	Intel Atom X86 System Intel Atom Dual Core Processor 1.86GHz, L2 Cache 1M	Intel Atom X86 System Intel Atom Dual Core Processor 1.86GHz, L2 Cache 1M
GPU	Intel GMA3600 Chipset, video memory: 650M	Intel GMA3600 Chipset, video memory: 650M
Memory	DDR3, 1333MHz, 2GB, SDRAM	DDR3, 1333MHz, 2GB, SDRAM
Storage Hard Disk	SSD 16GB	SSD 16GB
Network	Dual IntelRTL8111E Gigabit Ethernet	Dual IntelRTL8111E Gigabit Ethernet
Audio	Realtek ALC662	Realtek ALC662
Display Screen	SVGA TFT (800 pox × 600 pox)	SVGA TFT (800 pox × 480 pox)
Touch Screen	Precision resistive industrial touch panel	Precision resistive industrial touch panel
I/O Interface	DCIN power supply input interface 2 x RJ45 network interface 1 x RS485 serial interface DB15VGA display interface 3 x USB2.0 interface HDMI	DCIN power supply input interface 2 x RJ45 network interface 1 x RS485 serial interface DB15VGA display interface 3 x USB2.0 interface HDMI

Vibration	10 Hz to 55Hz, peak to peak values: 7mm 50Hz to 500Hz, maximum acceleration: 1.5g	10 Hz to 55Hz, peak to peak values: 7mm 50Hz to 500Hz, maximum acceleration: 1.5g
Impact	10g/peak (11ms sec)	10g/peak (11ms sec)
Size	304mm × 234mm × 67mm	212mm × 157mm × 63.2mm
Weight	2.7Kg	1.6Kg
Working Temperature	-30°C to +70°C	-30°C to +70°C
Storage Temperature	-30°C to +70°C	-30°C to +70°C
RH	< 5% to 85% RH (condensate free)	< 5% to 85% RH (condensate free)
EMC Interference Resistance	Grade3 class A	Grade3 class A
Protection Class	IP65	IP65
Software Compatibility	OS such as Windows XP, Windows XP Embedded, Windows 7 and Linux	OS such as Windows XP, Windows XP Embedded, Windows 7 and Linux