Xedge21 Tech-Note

21.5” Industrial PC Intel Atom® x6000E Series Dual or Quad Core up to 1.9 GHz

- 21.5” TFT color display, resolution 1920x1080 pixel, 16.7M colors. Dimmable LED backlight
- Projected capacitive multitouch screen
- Operating Temperature -20°C to +55°C
- Protection grade IP66 Front / IP20 Rear
- 2 Display ports
- 2 Ethernet 1.0 GbE
- 2 Ethernet 2.5 GbE
- 2 USB ports 3.1 gen. 1
- 2 USB ports 2.0
- 2 Expansion slot for plug-in modules
- JMobile Runtime (Optional)
- Linux or Windows operating system (Optional)

The images shown are for illustration purposes only and is not an exact representation of the product.

Highlights

The Xedge21 is a high-performance panel PC designed for demanding industrial applications, featuring a larger 21.5” display that allows for detailed data visualization. This model is specifically tailored for environments requiring extensive monitoring and control capabilities.

Key features include:

- **Large High-Resolution Display**: A 21.5” TFT screen with 1920x1080 resolution, ideal for detailed graphics and real-time data display.
- **Superior Processing Capability**: Equipped with Intel Atom processors and up to 16 GB of RAM, it is built for handling intensive applications.
- **Advanced Environmental Protection**: With an IP66 front rating, it provides superior protection against dust and water ingress, ensuring durability in challenging conditions.
- **Extensive Connectivity Features**: Includes multiple USB 3.1 and Gigabit Ethernet ports for robust networking capabilities.

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System Resources	
Display	21.5" TFT - 16M colors
Resolution	1920x1080, FHD
Brightness	300 cd/m² typ.
Dimming	Yes
Touchscreen	PCAP, Multitouch
CPU	Intel x6000E Series, up to 1.9 GHz
Operating System	None, Windows, Linux RT
Flash Storage	64 GB eMMC
RAM	LPDDR4x up to 16GB
FRAM	64 KB
Real time Clock, RTC Back-up	Yes, VL2330 Lithium battery
Buzzer	Yes
Leds	2 bi-colors
Security	TPM 2.0
Interface	
Display I/O	2 Display port 1.2
Ethernet port	2 1.0 GbE, 2 2.5 GbE
USB port	2 USB 3.1 gen.1, 2 USB 2.0
Storage	Up to 1 TB M.2 SATA SSD
Wi-Fi	1 Wi-Fi 6 (optional)
Cellular	1 LTE (optional)
Expansion	2 slots (hw-ready for standard plug-in modules)
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	5.3 A max. with expansion modules (full load), Class 2
Input protection	Anti-inversion, Overvoltage, Resettable Fuse
Environment Conditions	
Operating Temperature	-20°C to +55°C (vertical mounting)
Storage Temperature	-20°C to +70°C
Operating/Storage Humidity	5-85% RH, non condensing
Protection class	IP20
Dimensions and Weights	
Faceplate LxH	552x347 mm (21.73''x13.66'')
Cut-out	541x336 mm (21.30''x13.23'')
Depth D+T	84,5+8,5 mm (3.33''+0.33'')
Weight	6.8 kg
Approvals	
CE	Radio Equipment Directive 2014/53/EU (RED)
FCC	FCC Part 15 Subpart B Class A / FCC Part 15 Subpart C Class A
IC	ICES-003 ISSUE 7 CLASS A / IC RSS-247 Issue 3 and RSS-Gen Issue 5
UL	UL61010-1 / UL61010-2-201

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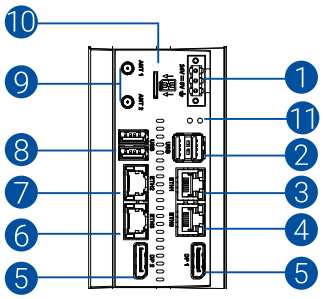

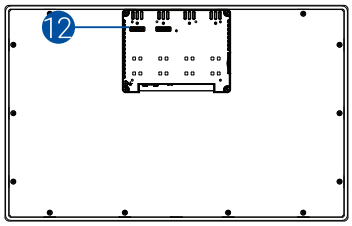

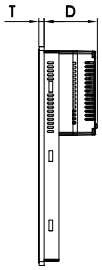

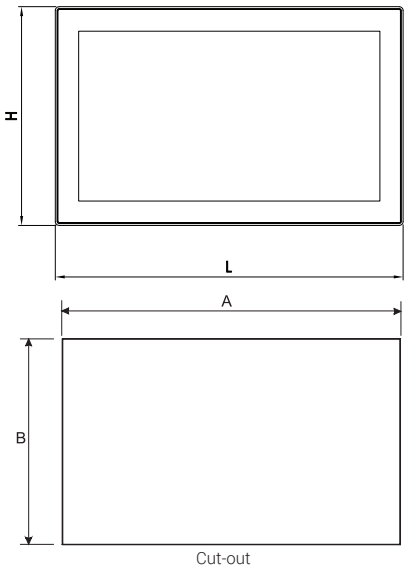

1. Power supply
2. USB ports 3.1
3. Ethernet 1 1.0 GbE
4. Ethernet 0 1.0 GbE
5. Display ports
6. Ethernet 2 2.5 GbE
7. Ethernet 3 2.5 GbE
8. USB ports 2.0
9. Wi-Fi/Cellular antenna (Optional)
10. Micro SIM slot (Optional)
11. LED Indicators - Device status
12. Expansion slot for plug-in modules

Ordering Information

Model	Part Number	Description
Xedge21	Choose your device	21.5" Industrial PC, Intel Atom® x6000E Series Dual or Quad Core up to 1.9 GHz

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