FUDA4 Multi-Touch Panel PC Series

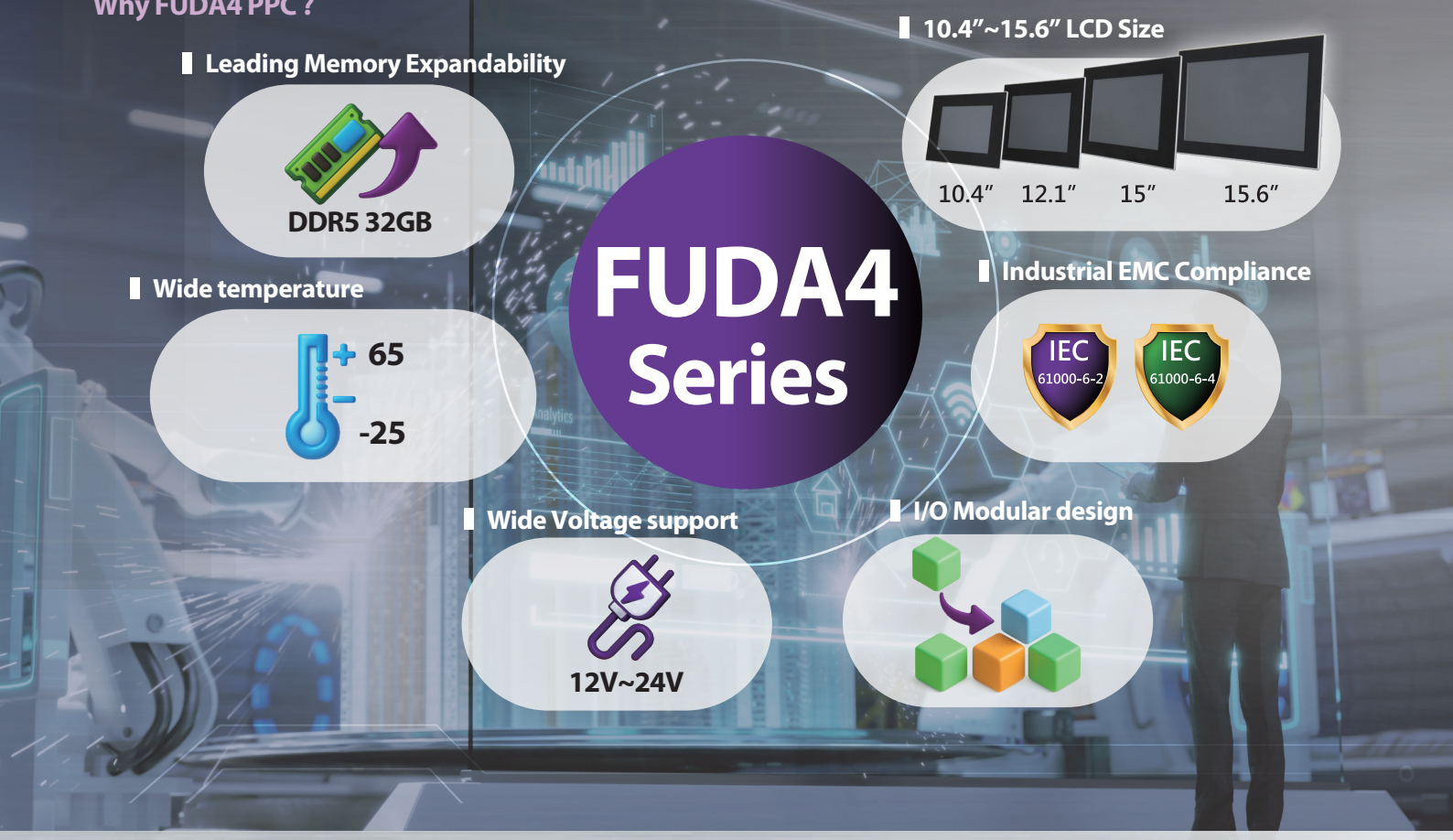
FUDA4-S1X23 Series 10.4" / 12.1" / 15" / 15.6" | Projected Capacitive (PCAP) Multi-Touch Screen
FUDA4-S1X13 Series 10.4" / 12.1" / 15" / 15.6" | 5-Wire Resistive Touch Screen (Single-Touch)

Product Introduction

FUDA4: Rugged, Flexible, and Optimized for Industrial Integration

FUDA4 is designed for harsh industrial environments, combining a rugged chassis with flexible expansion options to ensure stable operation across diverse applications.
The FUDA4 series is suitable for a wide range of scenarios. In smart factory environments, it provides reliable long-term operation and rich I/O interfaces, supporting production line monitoring and data acquisition to help customers achieve equipment digitization and improve productivity. In digital signage applications, FUDA4's high-performance platform and silent fanless design make it ideal for public spaces, delivering stable multimedia playback while wireless expansion modules simplify network deployment and on-site maintenance. For human-machine interface (HMI) applications, FUDA4 offers both resistive and capacitive touch options, providing intuitive and smooth operation to enhance user satisfaction and work efficiency.

Why FUDA4 PPC ?



P-CAP

P/N	Description
AL6-3321	(R).ATO.FUDA4-S1623-0000-00.15.6" Intel Amston Lake X7433RE 9W P-CAP Touch Panel PC with Black Aluminum Bezel and Black Chassis
AL6-3319	(R).ATO.FUDA4-S1523-0000-00.15" Intel Amston Lake X7433RE 9W P-CAP Touch Panel PC with Black Aluminum Bezel and Black Chassis
AL6-3320	(R).ATO.FUDA4-S1223-0000-00.12.1" Intel Amston Lake X7433RE 9W P-CAP Touch Panel PC with Black Aluminum Bezel and Black Chassis
AL6-3318	(R).ATO.FUDA4-S1023-0000-00.10.4" Intel Amston Lake X7433RE 9W P-CAP Touch Panel PC with Black Aluminum Bezel and Black Chassis

Resistive

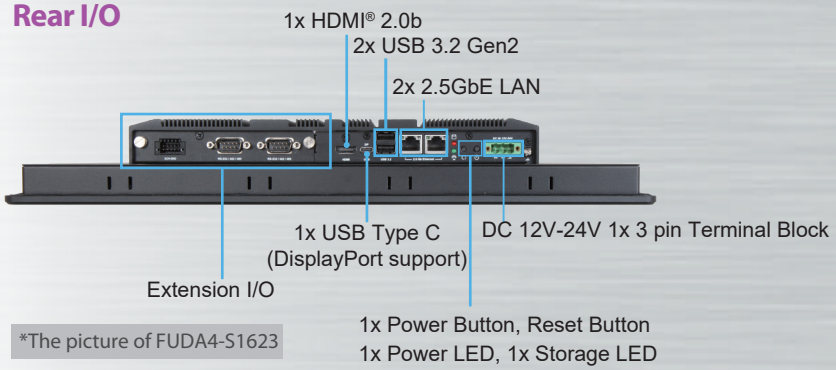
P/N	Description
AL6-3325	(R).ATO.FUDA4-S1013-0000-00.10.4" Intel Amston Lake X7433RE 9W Resistive Touch Panel PC with Black Aluminum Bezel and Black Chassis
AL6-3322	(R).ATO.FUDA4-S1213-0000-00.12.1" Intel Amston Lake X7433RE 9W Resistive Touch Panel PC with Black Aluminum Bezel and Black Chassis
AL6-3323	(R).ATO.FUDA4-S1513-0000-00.15" Intel Amston Lake X7433RE 9W Resistive Touch Panel PC with Black Aluminum Bezel and Black Chassis
AL6-3324	(R).ATO.FUDA4-S1613-0000-00.15.6" Intel Amston Lake X7433RE 9W Resistive Touch Panel PC with Black Aluminum Bezel and Black Chassis

FUDA4 Multi-Touch Panel PC Series

FUDA4-S1X23 Series 10.4" / 12.1" / 15" / 15.6" | Projected Capacitive (PCAP) Multi-Touch Screen
FUDA4-S1X13 Series 10.4" / 12.1" / 15" / 15.6" | 5-Wire Resistive Touch Screen (Single-Touch)

Model Name	FUDA4-S1013	FUDA4-S1213	FUDA4-S1513	FUDA4-S1613	FUDA4-S1023	FUDA4-S1223	FUDA4-S1523	FUDA4-S1623
LCD Size	10.4"	12.1"	15"	15.6"	10.4"	12.1"	15"	15.6"
Resolution	1024 x 768	1024 x 768	1024 x 768	1366 x 768	1024 x 768	1024 x 768	1024 x 768	1366 x 768
Brightness (cd/m²)	450 cd/m2	600 cd/m2	450 cd/m2	400 cd/m2	450 cd/m2	600 cd/m2	450 cd/m2	400 cd/m2
Contrast Ratio	3000:1	3000:1	3000:1	800:1	3000:1	3000:1	3000:1	800:1
Backlight	LED Type							
Touch Screen	5-Wire Resistive Single Touch Screen				Projected Capacitive Multi-Touch Screen (10 points)			
SoC	Intel Atom® X7433RE processor (6M Cache, up to 3.40 GHz) (TDP: 9 watt)							
Memory	DDR5 4800 MT/s SDRAM on one 262 pin SO-DIMM socket up to 32GB							
BIOS	AMI							
Graphics	Intel® UHD Graphics							
Panel Interface	LVDS							
LAN Chipset	Intel I226IT							
TPM	TPM 2.0							
Watchdog Timer	Programmable 1~255 sec							
Storage Device	Onboard eMMC 5.1 Flash up to 256GB (default:128GB) M.2 2242/2260/2280 M key socket							
Operating System	Windows 10/Windows 11/ Linux							
Serial Port	Extension I/O board selection - 2x RS-232/RS-422/RS-485 + 2x USB 2.0 - 2x RS-232/RS-422/RS-485 + 1x RS-232 - 2x RS-232/RS-422/RS-485 + 1x 2ch DIDO				2x RS-232/ RS-422/ RS-485	Extension I/O board selection - 2x RS-232/RS-422/RS-485 + 2x USB 2.0 - 2x RS-232/RS-422/RS-485 + 1x RS-232 - 2x RS-232/RS-422/RS-485 + 1x 2ch DIDO		
Display	1x HDMI® 2.0b 1x USB Type C with DP ALT mode							
USB	2x USB 3.2 Gen2 (10Gbps) 1x USB Type C (DisplayPort/USB 10Gbps support)							
Ethernet	2x Intel® I226IT 2.5GbE Ethernet							
Others	1x 3 pin Terminal Block Connector 1x Power Button, Reset Button 1x Power LED, 1x Storage LED							
Expansion	1x M.2 2230 E key socket Extension I/O board selections							
Dimension (mm) (L) x (W) x (H)	314 x 253 x 50.2	343 x 282 x 53.2	425.4 x 330 x 55.6	415 x 265 x 56.6	282 x 238 x 57.3	306 x 260 x 58.2	384 x 310 x 56.6	415 x 265 x 56.6
Mounting	VESA Mount 75x75, 100x100, Panel Mount							
Power Supply	12V~24V DC							
OP Temp	-25 ~ 65°C degree							
Vibration	1.0G Random Operation, 10~500Hz (eMMC, SSD)							
Shock	15G peak acceleration (11m sec. duration) / operation							
IP Protection	Front Bezel: IP65 Whole enclosure: IP20 (IEC 60529 Edition 2.1 Standard)							
Certificate	FCC/CE/UKCA Class A/Heavy Industry EN61000-6-2、EN61000-6-4 CE LVD Safety (EN 62368-1)							

Rear I/O



*The picture of FUDA4-S1623

Extension I/O Options

-2x RS-232/RS-422/RS-485
+ 2x USB 2.0

-2x RS-232/RS-422/RS-485
+ 1x RS-232

-2x RS-232/RS-422/RS-485 + 1x 2ch DIDO or N/A

*FUDA4-S1023 only 2x RS-232/RS-422/RS-485 or N/A

Portwell

*All information provided is subject to change without notice. Last updated: October 13, 2025