

FUDA4 Series Datasheet (Preliminary)

FUDA4 Multi-Touch 10.4" / 12.1" / 15" / 15.6"



Model Name	FUDA4-S1013/FUDA4-S1023	FUDA4-S1213/FUDA4-S1223	FUDA4-S1513/FUDA4-S1523	FUDA4-S1613/FUDA4-S1623
Display				
LCD Size	10.4"	12.1"	15"	15.6"
Resolution	XGA 1024 x 768	XGA 1024 x 768	XGA 1024 x 768	WXGA 1366x 768
Brightness (cd/m²)	450 cd/m²	600 cd/m²	450 cd/m²	400 cd/m²
Contrast Ratio	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)			
System				
SoC	Intel Atom® X7433RE processor (6M Cache, up to 3.40 GHz) (TDP: 9 watt)			
Memory	DDR5L 4800 MT/s SDRAM on one 262 pin SO-DIMM socket up to 16GB			
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			
I/O Interface				
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			
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			
Mechanical				
Dimension (mm) (L)×(W)×(H)	314 x 253 x 44.2 / 282 x 238 x 57.3	305 x 260 x 58.2 / 343 x 282 x 53.2	425 x 330 x 55.6 / 384 x 310 x 56.6	415 x 265 x 56.6 / 415 x 265 x 56.6
Mounting	VESA Mount 75x75, 100x100, Panel Mount			
Weight (Kg)(N)	3.5 / 3.2	4.3 / 3.9	5.3 / 5.1	4.8 / 4.8
Weight (Kg)(G)	5.8 / 5.5	6.2 / 6.0	8.2 / 7.8	7.1 / 7.1
Power Supply	12V~24V DC			
Consumption (Max)	33.5W (12V); 33.6W (24V)	40.9W (12V); 39.4W (24V)	40.5W (12V); 40.2W (24V)	48.8W (12V); 48.1W (24V)
Consumption (Min)	11.8W (12V); 14W (24V)	12W (12V); 12.3W (24V)	11.2W (12V); 12W (24V)	17.2W (12V); 18.1W (24V)
Environmental				
OP Temp	-25 ~ 65°C degree			
Vibration	1.0G Random Operation, 10~500Hz (eMMC, SSD) Packaged vibration test 2.16G, 10~500Hz"			
Shock	15G peak acceleration (11m sec. duration) / operation			
Drop	Package with Carton from 96.5 cm (1-Corner, 3-Axis, 6-Face), ISTA 2A Standard			
IP Protection	Front Bezel: IP65 Whole enclosure: IP20 (IEC 60529 Edition 2.1 Standard)			
Certificate	FCC/CE/UKCA Class A/Heavy Industry 61000-6-2, 61000-6-4, CE LVD Safety (EN 62368-1)			

