



faytech

touch devices

German Engineered
Asian Manufactured
Local Service





APPLICATIONS

INDUSTRIAL | AUTOMATIZATION | B2B | TELEMATICS | KIOSKS | ATM/POS | MEDICAL |

faytech's quality

We are a German owned company under German management operating our own factory in Shenzhen China utilizing the cost efficiencies of Asian manufacturing. Using German engineering standards, our R&D team designs our products and specifies all of the components in addition to assuring that all products are manufactured to the highest quality possible.

faytech's in-house developed and designed touch controller based on EETI's chipset, supports a wide driver/OS range delivering high reliability and serviceability. Our industry leading mainboards are designed in collaboration with and produced by world famous ODM manufacturers.

We only use new panels from the most reliable LCD panel manufacturers and add a 100% guarantee: no pixel faults.

All faytech products are backed by a worldwide two-year factory warranty, with after sales support available in English, German and Chinese.

We adhere to the highest worldwide standards e.g. RoHS, CE, FCC, CCC, UL and have complied with and received ISO 9001:2008 certification.

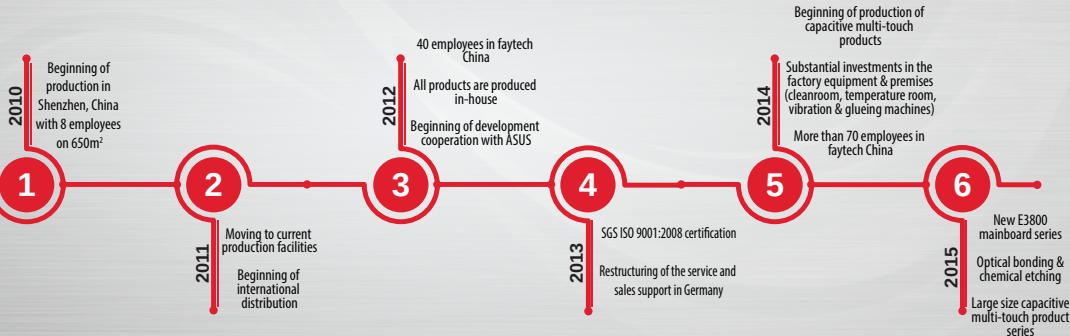


6 YEARS OF PRODUCTION IN SHENZHEN

faytech's roots lie in Germany. Arne Weber, the founding manager of faytech, started already by 2001 developing and marketing electronic devices. In 2005, the today called faytech Service GmbH started to import Touchscreen displays in Germany. Within three years, the German corporation became the leading Touchscreen supplier in Germany in its niche.

Based on the early success Fan Yang joined faytech and the management team moved to Shenzhen to start its own production facility in China combining German quality and development know-how and Chinese sourcing and manufacturing competencies. In 2009, faytech Tech. Co., Ltd. was founded and Fan has been leading the company since then as a managing founder.

In 2010 faytech began its first own production of Touch PCs in its own factory. Today all offered Touch Devices are solely designed and manufactured by faytech, produced on its own ISO 9001:2008 certified production lines, following strict German quality guidelines and expectations. faytech's market position is to deliver the best price/quality ratio in the industrial and B2B touch device market.



7"-12" Resistive Touch Monitors

High quality and reliable monitor series comes with VGA, HDMI, and video inputs. The monitors are suitable for usage as HTPC, control monitors, TV monitors, info terminals, in OEM applications, kiosks, vehicles, home automation, and many other operation fields.

Connectors:

2x Video, YPbPr, VGA, HDMI;
12.1": HDMI, VGA, DVI-D, Video, S-Video; Audio-out, Audio-In x3 (VGA, HDMI, Video);
 USB-Hub;

Additional features:

OSD Menu with lockable front buttons, speakers, remote control, pedestal



7" Touch Monitor

8" Touch Monitor

10" Touch Monitor

12.1" Touch Monitor

Case size (cm) L x W x H	17.9 x 12.3 x 3.2	19.8 x 16.8 x 3.6	23.50 x 20.20 x 3.89	29.3 x 21 x 3.15
Display diagonal (inch/cm)	7/17.78	8/20.32	9.7/24.64	12.1/30.73
Display (cm)	15.36 x 9.00	16.2 x 12.2	19.7 x 14.7	26.1 x 16.3
Mounting	Pedestal, VESA 75	Pedestal, VESA 75	Pedestal, VESA 75	Pedestal, VESA 75
Net weight (kg)	0.4	0.6	0.75	1.95
Aspect ratio	17:10	4:3	4:3	16:10
Screen resolution	1024x600	1024x768	1024x768	1280x800
Maximal screen resolution	1920x1200	1920x1200	1920x1200	1920x1200
Colors displayed	16.7M	16.7M	16.7M	262K
Brightness (cd/m ²)	500	250	300	300
Contrast	700:1	700:1	800:1	600:1
Typical reaction time Tr/Tf (ms)	10/15	6/14	10/15	12/13
Viewing angle horizont./vertic. (°)	150/145	150/150	170/170	178/178
Line voltage (V)	8-36	8-36	8-36	12
Power consumption (W)	4	7	7	6
Operating temperature (°C)	-25 to +75	-25 to +75	-25 to +75	-10 to +60
Touch panel	4-wire resistive	4-wire resistive	4-wire resistive	4-wire resistive
Touch connectors	USB Serial (extra cable)	USB Serial (extra cable)	USB Serial (extra cable)	USB Serial (extra cable)
Touch panel drivers	Windows, Linux, Mac, Android	Windows, Linux, Mac, Android	Windows, Linux, Mac, Android	Windows, Linux, Mac, Android
Touch panel life expectancy	> 1 million in 1 location without failure	> 1 million in 1 location without failure	> 1 million in 1 location without failure	> 1 million in 1 location without failure
Surface hardness	3H	3H	3H	3H

15"-22" Resistive Touch Monitors

Automate and simplify processes with faytech's 15" to 22" touch screen monitors. Each Touchscreen Monitor is built using an industrial LCD panel with backlighting (40,000+ hour lifespan), 5-wire resistive touch and anti-glare coating to enhance the user's performance and of course includes faytech's 100% guarantee of no defective pixels. The 15"-17"-19" models have VGA and DVI-D connectors, with additional S-Video and HDMI connections added to the 22" version. Each monitor comes with its own desktop stand, and screw patterns on the back for VESA-100 mounts, so it can be used in a variety of configurations in industrial and commercial environments.

Connectors:

VGA, DVI-D; 22": VGA, DVI-D, Video, S-Video, HDMI; Audio-out, Audio-In;

Additional features:

OSD Menu with lockable front buttons, speakers, pedestal



15" Touch Monitor



17" Touch Monitor



19" Touch Monitor



22" Touch Monitor

Case size (cm) L x W x H	37.0 x 28.7 x 5.5	38.0 x 30.8 x 5.3	44.8 x 35.3 x 5.3	51.5 x 41.0 x 7.0
Display diagonal (inch/cm)	15/38.1	17/43.18	19/48.26	22/55.88
Display (cm)	30.4 x 22.8	33.79 x 27.04	41.22 x 25.91	47.4 x 29.6
Mounting	Pedestal, VESA 100	Pedestal, VESA 100	Pedestal, VESA 100	Pedestal, VESA 100
Net weight (kg)	3.00	4.85	4.98	5.75
Aspect ratio	4:3	4:3	16:10	16:10
Screen resolution	1024x768	1280x1024	1440x900	1680x1050
Maximal screen resolution	1920x1200	1920x1200	1920x1200	1920x1200
Colors displayed	16.2M	16.7M	16.7M	16.7M
Brightness (cd/m ²)	300	250	250	250
Contrast	700:1	800:1	1000:1	1000:1
Typical reaction time T _r /T _f (ms)	8/8	8/8	1.5/3.5	1.3/3.7
Viewing angle horizont./vertic. (°)	160/160	160/160	170/160	170/160
Line voltage (V)	12	12	12	12
Power consumption (W)	11	24	25	30
Operating temperature (°C)	-10 to +60	-10 to +60	-10 to +60	-10 to +60
Touch panel	5-wire resistive	5-wire resistive	5-wire resistive	5-wire resistive
Touch connectors	USB Serial (extra cable)	USB Serial (extra cable)	USB Serial (extra cable)	USB Serial (extra cable)
Touch panel drivers	Windows, Linux, Mac, Android	Windows, Linux, Mac, Android	Windows, Linux, Mac, Android	Windows, Linux, Mac, Android
Touch panel life expectancy	> 10 million in 1 location without failure	> 10 million in 1 location without failure	> 10 million in 1 location without failure	> 10 million in 1 location without failure
Surface hardness	3H	3H	3H	3H

10.1"-21.5" Capacitive Touch Monitors

faytech's capacitive Touchscreen Monitor series has a modern sleek look with its flat edge to edge glass front panels, and a patented silicone rubberized seal making the front panels IP65 water proof and dust proof. This new series comes with capacitive 10 finger multi touch, glass front following Mosh7, the glass surface is anti glare treated (chemically etched), a wide variety of interfaces including USB-B for touch, HDMI, DVI-D, VGA and Audio inputs, all lockable including the DC-IN. Each capacitive Touch Monitor has an A+ industrial LCD panel backed by faytech's 100% no dead pixel guarantee. Each monitor comes with its own desktop stand, and screw patterns on the back for VESA-100 mounts.

Connectors:

VGA, DVI, HDMI;
Audio-Out, Audio-In;

Additional features:

OSD Menu with lockable front buttons, loudspeaker, stand;



10.1" Touch Monitor

12.1" Touch Monitor

15" Touch Monitor

17" Touch Monitor

21.5" Touch Monitor

Case size (cm) L x W x H	27.60 x 19.20 x 3.60	30.86 x 23.91 x 3.78	35.20 x 27.60 x 6.20	38.10 x 31.30 x 4.50	52.80 x 32.40 x 4.60
Display diagonal (inch/cm)	10.1/25.65	12.1/30.73	15/38.10	17/43.18	21.5/54.69
Display (cm)	21.7 x 13.6	24.6 x 18.4	30.40 x 22.80	33.79 x 27.04	47.70 x 26.80
Mounting	VESA 100	VESA 100	VESA 100	VESA 100	VESA 100
Net weight (kg)	0.75	1.20	4.10	5.10	7.30
Aspect ratio	16:10	4:3	4:3	4:3	16:9
Screen resolution	1280x800	1024x768	1024x768	1280x1024	1920x1080
Maximal screen resolution	1920x1200	1920x1200	1920x1200	1920x1200	1920x1200
Colors displayed	262K	16.2M	16.2M	16.7M	16.7M
Brightness (cd/m ²)	400	500	300	250	250
Contrast	800:1	700:1	700:1	800:1	1000:1
Typical reaction time Tr/Tf (ms)	15/15	25/10	8/8	8/8	1.5/3.5
Viewing angle horizont./vertic. (°)	178/178	160/160	160/160	160/160	170/160
Line voltage (V)	12	12	12	12	12
Power consumption (W)	8	11	18	24	30
Operating temperature (°C)	-10 to +65	-10 to +65	-10 to +65	-10 to +65	-10 to +65
Touch panel	Capacitive 10-point multi-touch	Capacitive 10-point multi-touch	Capacitive 10-point multi-touch	Capacitive 10-point multi-touch	Capacitive 10-point multi-touch
Touch connectors	USB	USB	USB	USB	USB
Touch panel drivers	Windows, Linux, Mac, Android	Windows, Linux, Mac, Android	Windows, Linux, Mac, Android	Windows, Linux, Mac, Android	Windows, Linux, Mac, Android
Touch panel life expectancy	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Surface hardness	7H	7H	7H	7H	7H

7" Waterproof IP65 High Brightness Touch Monitor

Case size (cm) L x W x H	21.40 x 13.40 x 3.85
Display diagonal (inch/cm)	7/17.78
Display (cm)	15.36 x 9.00
Mounting	VESA 75
Net weight (kg)	1.10
Aspect ratio	17:10
Screen resolution	1024x600
Maximal screen resolution	1920x1200
Colors displayed	16.7M
Luminance (cd/m ²)	1000+
Contrast	700:1
Typical reaction time Tr/Tf (ms)	10/15
Viewing angle horizont./vertic. (°)	150/145
Line voltage (V)	8-36
Power consumption (W)	7
Operating temperature (°C)	-25 to +75
Touch panel	5-wire resistive
Touch connectors	USB
Touch panel drivers	Windows, Linux, Mac, Android
Touch panel life expectancy	> 10 million in 1 location without failure
Surface hardness	3H



Waterproof IP65 Touch Monitor with All-In-One cable

Suitable for outdoor or rough machine usage. High brightness and extended voltage range.

Currently being used in mining trucks in Australia, in product facilities in Germany, and in medical applications throughout Europe.

15" Waterproof IP65 High Brightness Touch Monitor

Case size (cm) L x W x H	37.50 x 28.70 x 4.60
Display diagonal (inch/cm)	15/38.10
Display (cm)	30.40 x 22.80
Mounting	VESA 100
Net weight (kg)	3.40
Aspect ratio	4:3
Screen resolution	1024x768
Maximal screen resolution	1920x1200
Colors displayed	16.2M
Luminance (cd/m ²)	1000+
Contrast	500:1
Typical reaction time Tr/Tf (ms)	2/6
Viewing angle horizont./vertic. (°)	160/160
Line voltage (V)	8-36
Power consumption (W)	24
Operating temperature (°C)	-25 to +75
Touch panel	5-wire resistive
Touch connectors	USB
Touch panel drivers	Windows, Linux, Mac, Android
Touch panel life expectancy	> 10 million in 1 location without failure
Surface hardness	3H

HIGH
BRIGHTNESS

ALL-IN-ONE
CABLE

8" Waterproof IP65 High Brightness Touch Monitor

Case size (cm) L x W x H	23.20 x 17.20 x 3.95
Display diagonal (inch/cm)	8/20.32
Display (cm)	16.20 x 12.20
Mounting	VESA 75
Net weight (kg)	1.50
Aspect ratio	4:3
Screen resolution	1024x768
Maximal screen resolution	1920x1200
Colors displayed	16.7M
Luminance (cd/m ²)	1000+
Contrast	700:1
Typical reaction time Tr/Tf (ms)	6/14
Viewing angle horizont./vertic. (°)	150/150
Line voltage (V)	8-36
Power consumption (W)	7
Operating temperature (°C)	-25 to +75
Touch panel	5-wire resistive
Touch connectors	USB
Touch panel drivers	Windows, Linux, Mac, Android
Touch panel life expectancy	> 10 million in 1 location without failure
Surface hardness	3H

10.4" Waterproof IP65 High Brightness Touch Monitor

Case size (cm) L x W x H	26.22 x 20.94 x 4.25
Display diagonal (inch/cm)	10.4/26.42
Display (cm)	21.12 x 15.84
Mounting	VESA 75
Net weight (kg)	1.80
Aspect ratio	4:3
Screen resolution	1024x768
Maximal screen resolution	1920x1200
Colors displayed	16.7M
Luminance (cd/m ²)	1000+
Contrast	500:1
Typical reaction time Tr/Tf (ms)	2/6
Viewing angle horizont./vertic. (°)	150/130
Line voltage (V)	8-36
Power consumption (W)	10
Operating temperature (°C)	-25 to +75
Touch panel	5-wire resistive
Touch connectors	USB
Touch panel drivers	Windows, Linux, Mac, Android
Touch panel life expectancy	> 10 million in 1 location without failure
Surface hardness	3H

12.1" Waterproof IP65 High Brightness Touch Monitor

Case size (cm) L x W x H	30.60 x 24.40 x 4.25
Display diagonal (inch/cm)	12.1/30.73
Display (cm)	24.60 x 18.40
Mounting	VESA 75
Net weight (kg)	2.60
Aspect ratio	4:3
Screen resolution	1024x768
Maximal screen resolution	1920x1200
Colors displayed	16.2M
Luminance (cd/m ²)	1000+
Contrast	700:1
Typical reaction time Tr/Tf (ms)	25/10
Viewing angle horizont./vertic. (°)	160/160
Line voltage (V)	8-36
Power consumption (W)	16
Operating temperature (°C)	-25 to +75
Touch panel	5-wire resistive
Touch connectors	USB
Touch panel drivers	Windows, Linux, Mac, Android
Touch panel life expectancy	> 10 million in 1 location without failure
Surface hardness	3H

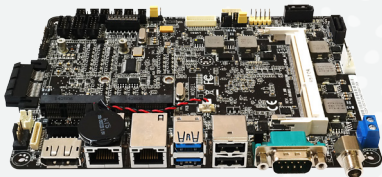
FAY002

faytech's new industrial mainboard is the result of our continuous cooperation with ASUS. Based on the popular design of our previous EPIC FT2X7410M mainboard we implemented the improvements that make FAY002 the best choice for long-term industrial use with a steady six year supply!

The powerful and energy-efficient N2807 DualCore or J1900 QuadCore processors from E3800 family are combined with the fast Intel® HD Graphics chip and allow energy saving settings in the BIOS.

FAY002 combines a fanless operation with low heat development at maximised performance and offers all connectors required for industrial or consumer applications.

Driver support covers the 32Bit and 64Bit versions of Win7 to Win10 and Linux.




Windows 7/8/10
Support

32bit/64bit
OS Support



CPU	Intel® Celeron™ Processor N2807/J1900
Chipset	Intel® E3800
Graphics	Intel® HD Graphics
Audio	Realtek 887 8-channel high-definition audio codec; Audio Amplifier EUA2012A
Network chip	2x Realtek PCIe Gb LAN 8111G
Internal I/O	1x SO-DIMM Slot, max. 4GB, DDR3L-1333 single channel 1x 12V DC power connector (2-pin) 1x 4-pin SATA power connector 2x S-ATA 3GB/s ports 1x VGA pin header 1x SIM-card-Header (connected to MiniPCIe) 1x LVDS connector 1x 5-pin LCD power connector 1x S/PDIF output pin header 1x Line-Out / Mic-In audio pin header 1x 4-pin (2x2W) audio amplifier connector 1x PS/2 keyboard/mouse connector (6-pin) 1x USB 2.0 header supports additional 4x USB 2.0 ports 2x RS232 connectors (J190: RS232/485) 1x 8-bit Digital I/O interface 1x Chassis Fan connector 2x Mini PCIe 1x PCIeX1 (J1900)
External I/O	1x Display port; 1x ESATA 1x USB 3.0, 3x USB 2.0 ports 2x COM port Full-PIN (RS232; 5V/12V) (J190: RS232/485) 2x 10/100/1000Mbit RJ45 Ports MIC-In, EAR-Out; 1x On/Off-button 1x 12V DC-In (screwable)

Operating
Temperature (°C) -10 ~ +60



- DualCore 1GHz processor
- 1GB RAM; 8GB NAND Flash
- Full HD on LVDS, VGA, HDMI
- Industrial and consumer connectors
- Android or Linux OS
- Touch support
- Cost effective

Embedded Mainboard

Available in two standard versions with just W-LAN or with W-LAN, Bluetooth 4.0 and GPS integrated, POE-plugIn and OTG-port added, it is faytech's most cost effective but still powerful DualCore solution for Linux and Android projects. WinCE-BSPs are available for project partners.

Now available in faytech's 7", 8", 9.7", 13.3", 10.1", 15", 17" and 21.5" embedded resistive and capacitive TPCs or as single embedded system.



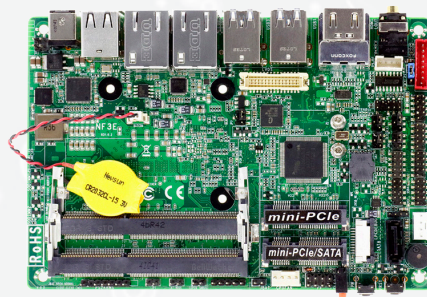
CPU	Allwinner A20 Cortex™- A7-Dual-Core
Chipset	Cortex A7
Memory	1G DDR3 RAM, 8G NAND Flash
Graphics	ARM® Mali400 Mp2 Complies with OpenGL ES 2.0/1.1
Audio	Integrated HI-FI 100dB Audio Codec Dual analog mic, 2x6W amplifier
Network chip	10M/100M/1000M Network, W-LAN
Internal I/O	1x SD-card; 1x SIM-card
	2x Serial
	4x TTL UART
	2x USB 2.0
	18/24Bit LVDS
	24x GPIO
	1x Line-In; 1x Line-Out
	1x Amplifier for 2x 6W loudspeaker
	1x SATA-Port; RTC
External I/O	8-18V DC-IN, screwable
	2x USB 2.0
	1x USB OTG
	1x Serial
	1x10/100/1000Mbit RJ45 Ports with connector for POE
	1x Audio-In; 1x Audio-Out
	1x W-LAN-connector
	1x HDMI
Operating Temperature (°C)	-25 ~ +75

CPU	Intel® i5 ULV (ultra low voltage) processor i5-5200u
Chipset	Intel® Broadwell architecture
Memory	1x SO-DIMM; 8GB
Graphics	Intel® HD graphics 5500; DirectX 11.1, OpenGL 4.0
Audio	Realtek ALC662 HD Audio Codec
Network chip	Intel I211AT PCI-E Gigabit PCI-E LAN chip & Intel I218LM Gigabit LAN PHY
Internal I/O	2x SO-DIMM Slot, max. 8GB, unbuffered DDR3L-1333/1600 Single channel memory, up to 16GB together 1x 9-24V DC power connector (2-pin) 1x SATAIII 6G/s Connector (SATA1), SATA1 port & M-SATA connector (MMPE) supports RAID0/1 function. 1x LAN LED activity header 1x LVDS connector 1x 5-pin LCD power connector 1x SMBUS header 1x SPK-OUT header (for 3W / 80HM amplifier) 1x Line-Out / Mic-In audio pin header 1x PS/2 keyboard/mouse connector (6-pin) 2x USB 2.0 header support additional 3x USB 2.0 ports 4x Serial port header (COM1 supports RS422/RS485 function) 1x 8-bit Digital I/O interface (GPIO header) 1x Chassis Fan connector
External I/O	2x HDMI; 4x USB 3.0, 2x USB 2.0 ports 2x 10/100/1000Mbit RJ45 Ports 1x Audio Line out/Optical SPDIF out port 8x In/Out GPIO as RJ45 2x COM port Full-PIN (Com1: RS232/RS422/485 switchable) 1x 9-24V DC-In (screwable)
Operating Temperature (°C)	-10 ~ +60

FAY003

For whom the Celeron J1900 QuadCore CPU is not powerful enough they can speed further up. After extensive testing faytech released its Intel i5-5200u Core based mainboard into standard production.

Powered by Intel® i5 ULV (ultra low voltage) processor i5-5200u, it delivers both: the stability and the performance, required for demanding operations in both industrial and retail environments.



32bit/64bit
OS Support

Resistive Touch PC

Case Size (L x W x H) cm

7" Touch PC	18.60 x 12.80 x 4.05	8" Touch PC	21.60 x 18.30 x 5.70
10" Touch PC	25.90 x 20.60 x 5.35	12.1" Touch PC	30.40 x 21.40 x 5.10
15" Touch PC	36.80 x 28.80 x 5.80	17" Touch PC	39.70 x 32.50 x 6.10
19" Touch PC	46.80 x 31.40 x 6.30		

CUSTOMIZATION AVAILABLE UPON REQUEST



17" Resistive Touch PC

*stand shown is sold separately



Resistive Touch PC

i5 and i7
Mainboards
also available

Capacitive
Open-frame
Panel mount
Different Colors
Available

Key features:

- 5-Wire Resistive Touch
- Fanless operation - no moving parts
- Intel® Celeron™ N2807 DualCore processor
- Intel® HD Graphics
- 2 GB RAM (max. 4GB); 64GB SSD
- 32bit and 64 bit support
- Pre-installed Linux Ubuntu

Resistive Touch PC Series

Through its fanless silent operation, lack of moving parts and sturdy design faytech's Aluminum Touch PC V2's has the reliability needed to separate it from standard PC systems.

The new version is equipped with brand new fay-002 industrial mainboard, equipped with a strong Intel® Celeron™ DualCore CPU, Intel® HD graphics, 2G RAM and 64Gbyte SSD the system offers 32 bit/64bit Linux/Microsoft OS (Win7/Win8/Win10) support.

Using reliable 5-wire resistive touch panels and combine them with faytech's even subpixel free A+ LCD panels it is faytech's cost effective but reliable solution for long term operation in today's demanding manufacturing, commercial, and retail environments.



Connectors on the left side



Connectors on the right side

Capacitive Touch PC Series

faytech's innovative IP65 Front Capacitive Touchscreen PC with its silent fanless operation, reliability, and fine craftsmanship, stands out from the competition.

The Touchscreen PC features a sleek modern appearance. Flat edge to edge glass with a patented silicone rubberized seal ensures the front panel is waterproof and dustproof meeting the requirements of IP65 standards. The back has a sturdy aluminum case manufactured out of a continuous casting mold with stable VESA-100 fixation bolts offering numerous industrial and consumer connectors like four serial ports, eight GPIOs or USB 3.0.

The heart of the Touchscreen PC is faytech's industrial fay-002 mainboard with the powerful but fanlessly cooled Intel Celeron J1900 QuadCore processor with up to 2.42GHz Core speed, equipped with 4GByte RAM, 64G SSD and Intel's HD Graphic chipset, supporting FullHD, DirectX 11.1 and OpenGL 4.0.

Features:

- Edge-to-edge glass IP65 rated
- 10-finger multitouch touch screen Panel
- Intel Celeron J1900 CPU, Intel HD Graphics
- 4GB RAM (expandable to 8GB)
- 64GByte SSD included
- 32Bit and 64Bit support, Linux and Win 7/Win 8/Win 10 support
- Pre-installed Linux Ubuntu OS
- Consumer and industrial interfaces (Displayport, 3x-USB 2.0, 1x USB 3.0, 4-Serial RS232/RS485, VGA, 2x Gigabit-Ethernet, Optical Digital Audio Out, 8x programmable Digital Input-Output, screwable industrial power connector and many more)
- Integrated Wi-Fi (Intel 533AN), 2x10/100/1000 Mbps network ports
- Audio amplifier with 2x2w speakers
- VESA 100 bracket for mounting, metal stand included
- Customization available upon request



10.1" Capacitive Touch PC

POS System

Digital Signage

Machine control system

Navigation control system

faytech's IP65 Touch PC series is a real globetrotter. It is currently used in America in car wash centers (with capacitive display), in Brazil police cars (vandalism secure), in Australia in outdoor POS (high brightness), and in Asia and Europe in numerous industry projects.

With the housing and connectors completely sealed, you can rely on faytech's IP65 Touch PC solutions when the devices are used under harsh environmental conditions.

Touch panel:	10" IP65 TPC 5-wire resistive	12" IP65 TPC 5-wire resistive	15" IP65 TPC capacitive
Aspect ratio:	4:3	4:3	4:3
Brightness (cd/m2)	1000+	1000+	1000+
Contrast:	500:1	1000:1	500:1
Visual angle horizont./ vert. (°)	140/120	160/160	160/160
Physical resolution:	1024x768	1024x768	1024x768
Touch connector:	USB	USB	USB
Touch panel drivers:	Windows, Linux, Mac	Windows, Linux, Mac	Windows, Linux, Mac
Touch life (contacts):	>35 000 000	>35 000 000	Unlimited
Response time touch panel (ms):	<10	<10	<10
Surface hardness:	3H	3H	7H
Input force (g):	20~150	20~150	-
Mounting:	VESA 100	VESA 100	VESA 100

21.5" - 42" IP65 Touch PCs and Touch Monitors are available.

Outdoor suited: with 1000+ nits brightness
 Connectors: all IP65 connectors completely customizable
 Touch: Resistive or Capacitive
 Optional: optical bonding, vandalism secure

The perfect model for outdoor usage, car washes, rough environments, oil rigs, etc.

10.4" high brightness IP65 Touch PC is now used in police cars in Brazil with flat buttons on the front for adjusting brightness.



15" IP65 Touch PC

Large Format Multi-touch PC

faytech's Large Format Multi-Touch PCs look great in many different commercial and industrial applications.

Available in 32", 42", 55" sizes, each model is built for reliability and extended service. An industrial HD LCD panel with energy-saving LED technology, A+ quality, wide viewing angle and 10-finger-capacitive multitouch panel, makes these the perfect interactive Touch PC for digital signage, way-finding, classrooms, dealerships, supermarkets, hotels, sports arenas, fashion shows, industrial 4.0 projects, interactive visualisations and many other uses.

The heart of the PC is faytech's industrial mainboard series fay-002 with its Intel QuadCore Processor and Intel HD Graphics chipset. With a reliable industrial SSD, preinstalled Linux Ubuntu OS, integrated Wi-Fi, built-in speakers, network, audio and video interfaces, USB and Serial connectors and a variety of other features, these hi-tech displays are a complete package ready to be used immediately.

faytech's Large Format TPCs are also available with faytech's embedded mainboard, with a stronger fanless Intel i5-5200u processor, as Touchscreen Monitor, with higher brightness up to 2500 Nits and as waterproof IP65 solution.

	32"	42"	55"
Touch panel:	Capacitive	Capacitive	Capacitive
Aspect ratio:	16:9	16:9	16:9
Brightness (cd/m2)	350	360	350
Contrast:	3000:1	1400:1	1400:1
Visual angle horizont./ vert. (°)	178/178	178/178	178/178
Physical resolution:	1920x1080	1920x1080	1920x1080
Touch connector:	USB	USB	USB
Touch panel drivers:	Windows, Linux, Mac	Windows, Linux, Mac	Windows, Linux, Mac
Touch life (contacts):	Unlimited	Unlimited	Unlimited
Response time touch panel (ms):	<10	<10	<10
Surface hardness:	7H	7H	7H
Mounting:	VESA 400	VESA 400	VESA 400

Key features:

- FullHD Industrial LCD-panel
- Capacitive 10-finger multi-touch
- Intel Celeron QuadCore processor
- Fanless operation - no moving parts
- Complete out of the box working X86 architecture
- 4G RAM, 64G SSD
- Windows 7/8/10 support
- 32bit and 64 bit support
- Integrated WiFi
- Built-in speakers



42" Capacitive Touch PC

i5-5200U FAY003
mainboard
available



Touch PC Kiosks

Available in 21.5", 32", 42" and 55" display sizes faytech's Large Format Multi-Touch PC Kiosks are manufactured featuring full HD industrial 24/7 LCD panels for constant use with energy-saving LED backlight technology. All models come with 10 finger multitouch capacitive Touch Panels and have a slim, extraordinary stylish appearance.

Each kiosk has an extra wide viewing angle and is equipped with faytech's industrial fay-002 mainboard series with its powerful but energy efficient QuadCore Celeron processor.

faytech's industrial grade 64GByte SSD with preinstalled Linux Operation System (for Windows 7 to 10 drivers are available), W-LAN and many PC ports behind a lockable cover provides a complete and secure solution which can be installed and used immediately.

faytech's Large Format interactive TPC Kiosks are the perfect solution for conference rooms, digital signage, classrooms, dealerships, transit stations, way-finding, media presentations, trade shows and many other applications.

The series offers additionally a wide variety of customizations - e.g. i5-5200u CPU, webcam, printer, RFID, NFC, flyer-holder, different colors etc. - the individualization possibilities are limitless!

Ultra Slim
Design

x86 or
embedded
solution

Windows,
Linux, Android
version available

Out of the box
running with OS
preinstalled

Multi-touch

Project Business

We can custom design, prototype and produce any touch device for your project. Utilizing our broad manufacturing capabilities, experienced engineering team and our extensive portfolio of completed projects for customers around the world, we can offer customized services for small or large lot sizes.

Our business is ready to produce touch monitors, embedded systems, touch computers and HDK's according to your specifications. We can offer our standard Resistive and Capacitive touch technologies. High MTBF times of 50,000 hours can be arranged as well as high degrees of protection. Vandalism-resistant devices, printers, smart card readers, GPS, GSM, UMTS, cameras and other peripherals can be integrated, and we can build devices with extended voltage ranges such as 6~36V.

Touchscreen PC with Scanner

A 15" model is used in Germany as POS with three EAR-outs. In New Zealand and Australia, 12" models are used on forklifts for warehouse management.

Different models of scanners and scan engines are available. Scanner is connected internally via serial port.

Special product features: slim all-in-one flat front design; made from refined and stylish aluminum.



15 inch Touchscreen PC
with Scanner

Touchscreen PC with Printer

fyatech's Stainless Steel Flat Touch PC series is the perfect solution for applications where the Touch PC must be installed from the front with a seamless finish. The thin stainless steel plate fits perfectly in any commercial or industrial environment. This model has been integrated into high-end kitchens throughout Europe, designed for block heat and power plants, as well as outdoor POS drive-thru in Australia.

The Stainless Steel Flat Touch PC series is highly customizable. See below example of a version with an integrated printer.

10 inch Printer PC (all sizes available)

- Stainless steel flat front (2mm thick)
- Easy installation from the front
- Integrated thermo printer with or without Auto cut function (paper width: 58mm)
- Easy paper roll change from the back
- Printer connected via internal serial port



10 inch Touchscreen PC
with printer

Public Authorities Project

Details of the project include:

- 8" TM with printer, webcam, scanner, special function button and telephone installed in the front of the car, IPC in the trunk of the car, connected by All-In-One cable
- 3-year guarantee
- 20 hrs usage daily
- Harsh environments (bad streets/ lot of vibration, high temperature, high brightness)
- All-In-One-Integration design, high quality finish

Capacitive
Touch

Flat IP65
front



Developed exclusively for Public Authorities Project

8 inch IP65 Touch PC

Based on faytech standard 8" Touchscreen Monitor model

- integrate small scanner
- integrate small thermo printer
- integrate webcam
- install telephone via Mic-In/ Ear-Out as RJ11-connection
- option via USB: small keyboard/ mouse, vandalism secure
- enhanced brightness min. 400Nits
- aluminum case (CNC cut) with On/Off button plus three special PC-function keys for the 8" TM
- On/Off button for shutting-down the IPC
- All-In-One cable, connected to IPC

Industrial PC:

Based on faytech standard Industrial PC model

- via network connected to balanced 3G router
- enhanced DC-IN with screwable power-plug
- All-In-One cable supporting 8" TM with power and all necessary signals

Exclusively for ERGO-FIT, faytech developed a captive 10.1 inch Touchscreen PC with IP65-front, integrated RFID and card-reader, numerous connections for the users as well as for communication with the fitness machines. The industrial Touchscreen PCs are a perfect fit for the ERGO-FIT's complete program of fitness training systems.



Developed exclusively for ERGO-FIT



Locomotive 15 inch Capacitive Touchscreen PC

The 15" Capacitive Touch PC is one of faytech's most impressive projects so far. The 8-36V DC-In Touch PC which steers locomotives in South America, is rugged, fanless, IP67 and has numerous connections which were just possible to realize with faytech's industrial mainboard series: 12x RS485+RS232 connectors, special button design (with backlight), Balanced Router (2x SIM cards), GPS+Glonass satellite navigation, Motorola TETRA Module TOM100, camera, USB3.0, Bluetooth 4.0, W-LAN, G-Force, Gyroscope, E-Compass, Accelerometer and 4-channel Video-capture card. These components are integrated into this Locomotive Touchscreen PC with a high brightness 15" panel and capacitive multitouch.

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We rely on German Engineering standards and combine that with attractive priced Asian Manufacturing. In combination with reliable Local Service, faytech offers one of the most interesting packages in the touch device industry.

Distributors in Europe, North America, Australia, Japan and Asia offer our products making faytech a reliable global brand.



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