



CARE . TRUST . RESPONSIBILITY

ETHAN E5-1

PERFORMANCE WITH HIGH FLEXIBILITY



The Ethan E5-1 is an All-in-one POS solution that will perform at a high level with many optional configurations and external interfaces. A technologically rich solution that offers industrial grade performance with a high-quality design will make a dramatic statement in your store's environment or hospitality area. Completely fanless with various Intel Skylake and Intel Kaby Lake processors to choose, fast memory and storage options and 5 years of standard warranty the Ethan E5-1 is a future proof POS Terminal for many years to come. The terminal supports up to three displays running simultaneously which means that next to the standard second customer display a third monitor for digital signage can be connected via the HDMI port. A wide range of external interfaces can be even more extended with four different expansion I/O plates to connect all the desired peripherals. The E5-1 is highly maintainable through easy access to the DRAM and hard drive. It also has a special maintenance USB port placed in the head of the terminal for service employees. Furthermore this All-in-one Terminal with its VESA mounting options can be placed either on a pole or against a wall

SPECIAL FEATURES

- All-in-one POS with 15.6" Wide Screen
- 10-point PCAP touch
- Up to 7th Generation Intel® Core™ i5 (Kaby Lake) High performance CPU
- Fanless Design
- SATA III (6.0 GB/s) storage
- DDR4 RAM up to 32 GB
- Support up to 3 independent displays (Operation, Customer and Digital Signage)
- Easy maintenance

OPTIONAL

- Windows POSReady 7 and Windows 8.1 - only with Intel 6th Generation (Skylake) CPU,
- Linux (Ubuntu)
- Full HD Display
- 4 different expansion I/O plates
- Multi-Readerhousing
- Optional high speed M.2 PCIe SSD available
- PS-103 printer stand
- Stand with Powered USB Hub (1 x 24 V, 3 x 12 V)
- WiFi via Mini PCIe Card
- VFD or Customer Display

Ethan E5-1

MODELL		Ethan E5-1	
Display (optional Full HD)	Max Resolution	1366 x 768	1920 x 1080
	Size	15.6"	15.6"
	Brightness	220 nits	300 nits
	Contrast	500:1	700:1
	Response Time	8 ms	9 ms typ / 16 ms max
	Colors	262K colors (RGB 6-bit)	262K colors (RGB 6-bit)
	Viewing Angle	Right 45° Left 45° / Upper 15° Lower 35°	Right 80° Left 80° / Upper 70° Lower 70°
	Technology	LCD with LED backlight	LCD with LED backlight
	Touch	10-point PCAP touch	10-point PCAP touch
System	CPU (fanless)	Skylake CPUs for POS Ready 7, Windows 8.1, Windows 10 IoT, Linux (Ubuntu) Intel® Celeron® 3955U (Skylake), 2.00 GHz, dual core, 2 MB SmartCache Intel® Core™ i3-6100U (Skylake), 2.30 GHz, dual core, 3MB SmartCache Intel® Core™ i5-6300U (Skylake), 2.40 GHz up to 3.00 GHz, dual core, 3 MB SmartCache Kaby Lake CPUs for Windows 10 IoT, Linux (Ubuntu) Intel® Celeron® 3965U (Kaby Lake), 2.20 GHz, dual core, 2 MB SmartCache Intel® Core™ i3-7100U (Kaby Lake), 2.40 GHz, dual core, 3MB SmartCache Intel® Core™ i5-7300U (Kaby Lake), 2.60 GHz up to 3.50 GHz, dual core, 3 MB SmartCache	
	RAM	2 x 260 pin DDR4 SO-DIMM-2133: 4 GB, 8 GB, 16 GB, 32 GB	
	Storage	1 x 2.5" SATA III (6.0 GB/s), HDD standard 500 GB, SSD standard: 128 GB, 256 GB optional high speed M.2 PCIe SSD available	
External I/O	Serial	2 x Serial ports, RS232 (RJ45), RI/5V/12V selection by BIOS (COM1, COM2)	
	LAN	2 x RJ45, IEEE 802.3 10/100/1000 Mbps Ethernet	
	USB	4 x USB 3.0	
	Cash Drawer	1 x RJ11	
	DC in	1 x DC 12 V input power-jack	
	DC out	1 x DC 12 V out	
	Audio	1 x Line-out	
	Video (supports 2 additional displays)	1 x HDMI (up to 4096 x 2304 @24 Hz) 1 x VGA	
	Maintenance USB	1 x USB 2.0 at the side of the display. On/Off control via BIOS or Windows 10 application	

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Optional Configuration	Attached Peripherals	PS-103 printer stand 1 x Multi-Readerhousing with MSR and IC Card Reader and (Fingerprint or RFID or i-Button) 1 x Customer Display
	Powered USB	4 x Powered USB (1 x 24 V + 3 x 12 V) on SP-1060 or PS-103 stand
	RAID	RAID 0/1 with SP-1060 or PS-103 stand
	Front Camera	Only on a project base available
	WiFi	via Mini-PCle Expansion slot (antenna is needed)
	Expansion slot internal	1 x Mini-PCle (e.g. for Wifi card)
Speaker	Power	1 x 3 Watts
Others	Management	Intel AMT, Intel V-Pro (Only support for i5 CPU)
	Colors	Black with Silver frame
	VESA Mounting	75 x 75
	Material	Aluminum back, plastic frame and stand cover
	Certifications	CB, EMC (CE, FCC, VCCI, BSMI), BSMI, IP54 for Terminal, IP65 for front panel
Power	Power Adapter	AC-In 100~240V / DC-Out 12 V, 90 W / 180 W with powered USB
	Consumption Running APL	32.84 W
	Consumption Standby	S0: 11.62 W, S1: 0 W, S3: 1.77 W, S4: 1.26 W
	Consumption Off / WOL	1.26 W

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MODELL		Ethan E5-1
Dimensions	without stand	392 mm (W) x 256 mm (H) x 62 mm (D)
	with stand	392 mm (W) x 320 mm (H) x 250 mm (D)
Weight	without stand	4.0 kg
	with stand	6.2 kg
Environment	Operating Temperature	5°C ~ 40°C
	Storage	-15°C ~ 60°C
	Operating Humidity	15% ~ 80%
	Storage Humidity	15% ~ 80%

*Specifcation is subject of change without prior notice.

