



Ticket dispenser ELEGANT N

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Ticket dispenser ELEGANT N

Ticket dispenser ELEGANT is an aluminum enclosure with built-in PC based computer server, 19" LCD touch screen monitor and thermal printer with a cutter. Built-in server is used to deploy the AKIS queue management software. Server configuration and hardware component are optimized to ensure stable and reliable system operation. Built-in LCD touch screen is used to show available services (client menu) and to register into the queue management system by pressing on the virtual button shown on the LCD screen. Built-in thermal printer prints out registration in the QMS system confirmation in form of a ticket. Ticket printout takes only part of a second. Custom information together with the registration info can be printed out on a ticket.

To get maximum functionality and efficiency out the QMS AKIS system it is recommended to combine the ticket dispenser ELEGANT with other QMS AKIS equipment like energy saving LED displays, software or hardware workstation terminals and digital signage software.

The enclosure of the ticket dispenser has a modern, ergonomic design and will fit to any interior. Enclosure is made of aluminum and has silver metallic color with black stripes on both sides.

Features

- Aluminum enclosure;
- Either built-in PC based computer for the AKIS queue management software or built-in ARM controller(requires Qset controller or Qweb server, as can only be used as a menu in this case). Control computer is installed in the stand of the ticket dispenser;
- Built-in 19" LCD touch screen;
- Built-in fast thermal printer;
- Service selection through the virtual client menu shown on the touch screen;
- Support for wide variety of custom features (software)
- Communication over TCP/IP;
- Customizable client menu design;
- Modern and ergonomic enclosure design;
- Can be used as information kiosk;
- Floor stand, fixed with screws to the floor.

- Compatible with EU directive 2019/882.

Operation in the AKIS queue management system

- A client comes up to a ticket dispenser;
- Client menu is shown on LCD touch screen. Customer selects desired service by pressing on the virtual button on the touch screen.
- Request is registered in the server and upon successful registration ticket is printed out by the thermal printer.
- Customer is called to a workplace by the number printed on a ticket.
- Ticket number of a customer who is being called is shown on the queue management system displays.
- Customer comes up to the workplace and receives service.

Specifications

Ticket dispenser ELEGANT general specifications

Table 1. General specification of the ELEGANT ticket dispenser

Model name	ELEGANT
Enclosure dimensions	320 (D) x 460 (W) x 1330 (H) mm
Mass	40 kg ± 5%
Color	Silver metallic
Material	Aluminum
Touch screen size	19"
Virtual button qt.	Unlimited*
Operating Temperature	10~35°C
Operating Humidity	5% ~ 90% (relative humidity; non-condensing)
Power supply	230V, 50Hz network

*In hierarchical menu.

Thermal printer specifications

Table 2. Thermal printer specifications

Method	Line thermal dot
Printing speed	220 mm/sec
Resolution	8 dots/mm (203 dpi)
Number of dots/line	576 dots:Defaults, 640 dots:Max.
Print digits	53 digits (Font A: 12x24 dot) 71 digits (Font B: 12x24 dot) 26 digits (Kanji : 24x24 dot)
Print digits	65/70/80/82.5 (mm)
Printing width	59/70/72:Default/80 (mm)
Paper diameter	59-82 mm

Character	Japanese (JIS C 6226/1983, Katakana, Extended graphic characters, Code Page 858) Korean (KS X 1001:1992, Katakana, Extended graphic characters, Code Page 858) Chinese (GB18030-200) Greek (Code Page 1253) Polish (Code Page 1250) Russian (Code Page 1251) Scandinavian (Code Page 1252) Turkish (Code Page 1254)
Barcode	UPC-A, UPC-E, JAN-13(EAN-13), JAN-8(EAN-8), CODE39, ITF, CODABAR, CODE128
Interface	USB V2.0 Full (12Mbps) & RS232C <-- No-mark type USB V2.0 Full (12Mbps) <-- U type
Cutter	Full & Partial-cut (command selectable)

(Optional) Built-in PC based computer specifications

Table 3. Built-in PC based computer specifications

Chipset	Intel® Processor N100
CPU Base frequency	2.0GHz
CPU Burst frequency	3.4GHz
CPU Cores	4
CPU Threads	4
RAM	LPDDR5@ 4800 MT/s
RAM Memory	8/16/32 GB
Ethernet	1 x 2.5 Gigabit RJ45 port
Wireless (optional)	AW-XB547NF (Wi-Fi 6 / BT 5.2) with 2x antennas
Display	2x HDMI 2.0 up to dual 4Kp60 support
USB	3x USB 3.0 + 1x USB 2.0
Storage	256/512/1024 GB NVMe SSD

Audio	1x 3.5mm jack, support audio input/output
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LCD touch screen specifications

Table 4. LCD touch screen specifications

Touch screen type	PCAP (Projected capacitive)
Touch screen position	Horizontal or vertical
Input mode	Finger
Screen size	19"
Monitor type	TFT-LCD anti-glare
Resolution	1366x768 pixels
Colors	16,7M
Response time	5 ms
Contrast ratio	1000:1 (typ)
Brightness	350 cd/m ²
Viewing angle	170°/160° (C > 10)

(Optional) Built-in ARM controller specifications

Table 5. Built-in ARM Controller specifications

Memory	2GB DDR3
CPU	Rockchip Quad-Core RK3288 processor
Graphic	ARM® Mali™ -T764 GPU

QR/barcode scanner module* specifications

Table 6. QR/barcode scanner module specifications

Processor	IOTC 0370 CHIP
Image sensor	752×480 CMOS
Interface	RS-232 (9.6~115.2Kbps) / USB 1.1 (HID-KBW, HID-POS)

Symbologies	1D: EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar (RSS-Expand, RSS-Limited, RSS-14), Code 39, Code 11, MSI-Plessey, Plessey. 2D: PDF417, Data Matrix, QR Code.
Scan Mode Type	Sense mode
Resolution	10mil
Light source	White LED
Scan window	38.3mm×60.4mm
Field of view	Diagonal: 85°, Horizontal: 63.7°, Vertical: 70°
Notification	Beep

*Not included as default. If you need it on your dispenser, contact us for more information on that.



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