

# KT-300 Door Controller

INNOVATIVE AND POWERFUL

- Controls two doors and easily links to a network
- Update the firmware directly from the system workstation
- Fast, up to 115,200 baud
- Ready to go, no dip switches or jumpers to set
- 5V and 12V reader power
- Interfaces with an external alarm system
- Automated trouble reporting



# KT-300 Door Controller

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The KT-300 is a two door controller designed to meet the highest standard of access control and monitoring point applications.

KT-300 Technical Specifications	
<b>Input power</b>	16 VAC, 40VA, class 2 transformer
<b>Battery backup</b>	1 battery 12V, 7Ah, supervised, provides operation for up to 12 hours
<b>Dimensions</b>	29.9 x 28.8 x 7.7 cm (11.75 x 11.38 x 3 in) EMT 1.9 cm (0.8 in)
<b>Weight (with metal cabinet)</b>	2.4 kg (5.4 lbs)
<b>Operating temperatures</b>	2°C to 40°C (35°F to 110°F)
<b>Compatible reader types</b>	Wiegand, proximity, bar code, magnetic, integrated keypad and others
<b>Monitored points (inputs)</b>	8 monitored points, NO/NC, with or without end-of-line resistors (expandable to 16)
<b>Monitored points max. wiring distance</b>	600 m (2,000 ft) – (AWG #22)
<b>Door strike power</b>	12 VDC, 250mA each, supervised
<b>Auxiliary outputs (LED, BUZ)</b>	4 outputs, 25mA max. each, open collector
<b>Control relay outputs (R1, R2)</b>	2 control relay outputs, 12 VDC, 25mA totals each, open collector (optional relay RM1 available)
<b>Auxiliary power output</b>	12 VDC @125mA max., protected and supervised
<b>Reader power outputs</b>	12 VDC and 5 VDC @125mA total, protected and supervised
<b>Communication ports</b>	RS-232, RS-485 and Combus
<b>Communication speed</b>	Up to 115,200 baud (automatic detection)
<b>Firmware flash memory</b>	128K
<b>RAM</b>	128K (512K unit available), protected by a lithium battery
<b>Network autonomy</b>	Distributed data and processing
<b>Certifications</b>	UL294, CE, FCC

Expansion Modules Specifications	
<b>4-relay and Combus additional power supply module (KT-PC4204)</b>	
<b>Current draw</b>	30mA from Combus
<b>Input Power</b>	40VA-18 VAC transformer required
<b>Battery</b>	12V 7Ah maximum
<b>Output</b>	4 programmable relay form C contacts rated 2A
<b>Input</b>	Tamper contact
<b>Certifications</b>	UL, CE, FCC
<b>16-output expansion module (KT-PC4216)</b>	
<b>Current draw</b>	15mA from Combus
<b>Output</b>	12 VDC, 50mA max. each, drawn from Combus
<b>Input</b>	Tamper contact
<b>Certifications</b>	UL, CE, FCC
<b>8-zone input expansion module (KT-PC4108)</b>	
<b>Current draw</b>	30mA from Combus
<b>Output</b>	Auxiliary 12 VDC, 250mA max., drawn from Combus
<b>Input</b>	Tamper contact
<b>Certifications</b>	UL, CE, FCC
<b>Time/date display (KT3-LCD)</b>	
<b>Current draw</b>	50mA from Combus
<b>Certifications</b>	UL, CE, FCC

## Ordering Information

**KT-300/128K** Door controller for 2 readers with 128K memory, includes metal cabinet, KT-300-ACC and KT-300LOCK

**KT-300/512K** Door controller for 2 readers with 512K memory, includes metal cabinet, KT-300-ACC and KT-300LOCK

**KT-300PCB128** Door controller with 128K memory (PCB only) and accessory kit KT-300-ACC

**KT-300PCB512** Door controller with 512K memory (PCB only) and accessory kit KT-300-ACC

**KT-300-ACC** KT-300 Accessory kit includes: 1.0K ohm (2), 5.6K ohms (10), 120 ohms (2), PCB standoff, lock hole cover, ground wire and screwdriver

**KT-PC4108** 8-zone input expansion module for KT-300

**KT-PC4204** 4-relay and Combus additional power supply module for KT-300

**KT-PC4216** 16-output expansion module for KT-300

**KT-RM1** External isolation relay SPDT for KT-300 output (RL1/RL2)

**KT3-LCD** LCD monitor for time and date information for KT-300

**KT-300CAB** KT-300 black metal cabinet including KT-300LOCK

**KT-4051CAB** Standard black metal cabinet for KT-PC4204

**KT-PC4216** and **KT-PC4108** modules (order key lock separately) 42.7 x 26.4 x 14.4 cm (16.8 x 10.4 x 4.1 in) EMT 1.9 cm (0.8 in)

**KT-300LOCK** Keylock for KT-300CAB and KT-4051CAB metal cabinets, includes 2 keys

**KT-300TAMP** Tamper switch for KT-300CAB and KT-4051CAB metal cabinet

**TR1637W/CSA** AC transformer, wire-In, 110V/16V (37VA) CSA

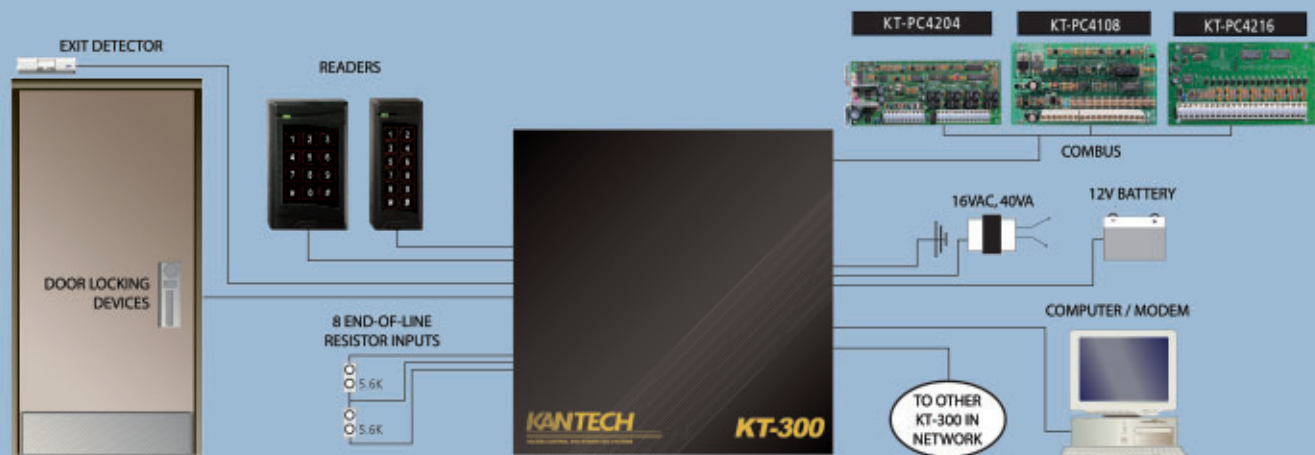
**TR1640P/CSA** AC transformer, plug-In, 110V/16V (40VA) CSA

**TR1640P/UL** AC transformer, plug-In, 110V/16V (40VA) UL

**TR1640W-220** AC transformer, wire-In, 220V/16V (37VA) CE

**USB-485** USB to RS-485 communication interface

**VC-485** RS-232 to RS-485 communication interface



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