

KT-NCC

Network Communication Controller



Features That Make a Difference

- Panel architecture gives better reliability & requires less maintenance
- On-board TCP/IP
- Supports up to 128 door controllers
- Embedded redundancy
- Seven LED modes provide system status
- Flash memory allows firmware to be updated quickly and conveniently
- Battery backup provides alternative for Universal Power Supply (UPS)
- Global functionality such as anti-passback, guard tours, and alarm systems management is easier than ever to implement

Managing Controllers for Enterprise Solutions

The KT-NCC manages communication from the EntraPass Global Edition security management software to the door controllers. It also controls features/ functions such as areas, alarm systems, global I/O, guard tours, and secondary access levels. It makes the access control system easier to manage, easier to expand, and much more reliable. The KT-NCC is in control instead of relying on a PC for controller-server communication.

KT-NCC includes onboard TCP/IP that eliminates the costs associated with buying and maintaining a third party communication device to link to the network.

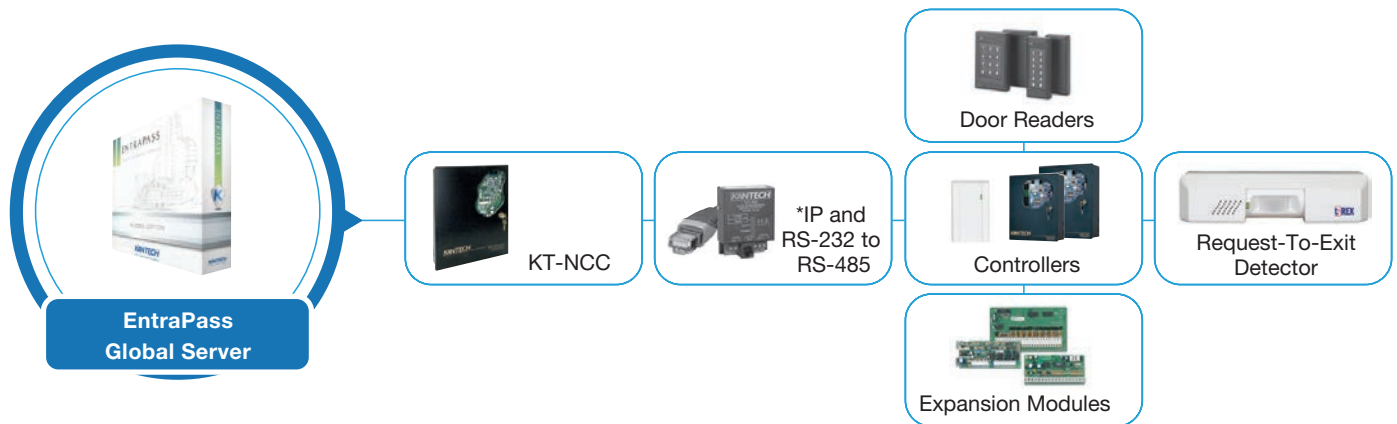
KT-NCC easily communicates with any Kantech controller (KT-100, KT-300 or KT-400), making it a very powerful way to expand an EntraPass Global Edition system.

Redundant communication paths ensure that, should communication to the main EntraPass server fail, KT-NCC will automatically connect to the EntraPass redundancy server. This safeguards important security data and ensures business continuity.

Further extending its ease of use, KT-NCC panels come equipped with LEDs that provide the user with an easy way to quickly assess system status.

New functionality is easily flashed to KT-NCC controllers from the EntraPass server. This saves an enormous amount of time because you don't have to manually update each controller and ensures that you can take advantage of new features and functionality immediately.

System Diagram



*Note - IP requires UDS1100 serial Ethernet converter for Ethernet connection to the controller

Specifications

Physical	
Cabinet Dimensions (H × W × D)	37.6 x 30.5 x 12.6 cm (14.8 × 12 × 4.95 in)
Cabinet Weight	4.0 kg (8.8 lbs)
Board Dimensions (H × W × D)	22.90 × 13.98 × 5.20 cm (9 × 5.5 × 2.05 in)
Communication Ports	2 x RS-485 1 x RS-232 2 x Ethernet 100Base-T
Environmental	
Operating Temperature	2° to 40°C (35° to 110°F)
Humidity Level	0 to 95% non-condensed, indoor use only
Electrical	
AC Power	16 VAC, 40 VA Class 2 transformer (TR1640P/UL or TR1640P/CSA)
Battery Backup	KT-BATT-12, 12V/7Ah battery supervised, provides a minimum of four hours
Auxiliary Power Output	12 VDC, 250 mA, resettable fuse protected
Operational	
Firmware Flash Memory	16 MB
Loops per Gateway	Seven loops (2 x RS-485, 1 x RS-232, 4 x IP)
Controllers per KT-NCC	128
Controllers per Loop	RS-485 (COM1 & COM2) = 32 each RS-232 = 32 each IP#1 to IP#4 = 8 each
Number of Cards per KT-NCC	56,000
Readers/Keypads per KT-NCC	256 (KT-300), 512 (KT-400)
Door Lock Outputs per KT-NCC	256 (KT-300), 512 (KT-400)
Maximum Number of Floors	64
Schedules	100
Access Levels	250

Access Door Groups	100
Relay Groups	100
SDRAM Memory	64 MB (protected by a Lithium ION battery for a minimum of 75 hrs)
Relays	Four Form C relays, 30 VDC/3A
Controller Groups	100
Access Level Groups	100
Operating System	Windows® CE embedded v5.0
Regulatory	
Compliance	FCC Part 15 Class A, CE, C-Tick
Certifications	UL 294, UL 1076
Environmental	RoHS, WEEE

Ordering Information

Model Number	Description
KT-NCC	KT-NCC PCB, accessory kit, metal cabinet with lock, tamper switch
KT-NCC-PCB	KT-NCC PCB, accessory kit
KT-NCC-ACC	Accessory Kit: RS-232 to VC-485 flat cable with RJ-12 connectors
KT-NCC-CAB	Black metal cabinet with lock and keys
KT-TAMPER	Tamper switch
KT-LOCK	Cabinet lock and 2 keys

About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.