



# KT-NCC Gen 2

## Network Communication Controller



### 32 Connections - onboard and encrypted IP

AES-128-bit IP connection to KT Controllers for scalable cost saving deployments



### Flash Memory

Quick and convenient firmware updates from centralized server



### Intelligent reloading

Optimized data loading of site-specific information



### Improved Site Location

Site Panel architecture gives better reliability & requires less maintenance



### Secure and Quick Installation

Battery backup provides alternative for Universal Power Supply (UPS)



### Global functionality

Global functionality spanning multiple controllers in one site such as anti-pass back, and alarm systems management

## Managing Controllers for Enterprise Solutions

The KT-NCC manages communication from the EntraPass Global Edition security management software to the door controllers. 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.

The KT-NCC includes onboard PoE TCP/IP for a seamless network connection. Redundant communication paths ensure that, should communication to the main EntraPass server fail, KT-NCC will automatically connect to the EntraPass redundancy server safeguarding important security data and ensuring business continuity.

The KT-NCC represents a customer location or site giving all Kantech controllers under the KT-NCC advanced user features such as area controls with anti-passback, supervisor first unlock and maximum cardholder occupancy; virtual alarm systems, global I/O, mustering report, multi-layered interlock for advanced security, dual custody escorting in to secure doors, secondary access level per cardholder and much more. Connect to up to 32 total connections to the KT-NCC with a flexible deployment using 3 direct RS-485 at full speed. Leverage up to 32 secure IP connection with 8 controllers each to cost efficiently scale your site installation.

New functionality is easily flashed to KT-NCC controllers from the EntraPass server. Providing no need to manually update each controller ensuring new features and functionality immediately. KT-NCC-G2 is compatible with only EntraPass Global v8.70 and higher.

## Technical Specifications

| Specification                        | Description  |
|--------------------------------------|--|
| DC power Input                       | 11.3 VDC to 14 VDC, 1.5 A<br>Note: The KT-NCC-G2 is compatible with the KT-PS4085 power supply module. Use the PTC1640UG plug-in adapter model. Standby power: 12 V/7 Ah battery, provides 12 hours of battery backup.                 |
| PoE / PoE+                           | 13 W, 1 A / 25.5 W, 1.9 A  |
| Operating temperatures               | For UL-listed installations: 0°C to 49°C (32°F to 120°F), indoor use only.   |
| Humidity level                       | 93% maximum (relative humidity non-condensing) UL verified at 85% Rh.  |
| Cabinet dimensions (H x W x D)       | 11.3 in. x 11.7 in. x 3.1 in. (28.7 cm x 29.7 cm x 7.8 cm)   |
| KT-NCC-G2-PCB dimensions (H x W x D) | 5.4 in. x 4.8 in. x 1.9 in. (13.8 cm x 12.1 cm x 4.8 cm)   |
| KT-NCC-G2 relay-controlled outputs   | Two onboard Form C relays, 30 VDC, 3 A each  |
| KT-NCC-G2 communication ports        | <ul style="list-style-type: none"> <li>One RS-232 with RJ-12, for supplementary use</li> <li>Two RS-485 ports</li> <li>One Ethernet 10/100 Base-T with RJ-45</li> <li>Maximum 32 connections for a total of 128 controllers</li> </ul> |
| Communication speed                  | <ul style="list-style-type: none"> <li>RS-485: 1200 to 115200 Bauds</li> <li>Ethernet: 10/100 Mb/s BaseT over Ethernet</li> </ul>  |
| Flash memory                         | 256 MB NAND flash for application, storage, and stand-alone event buffer holding 20,000 events   |
| RAM memory                           | 128 MB DDR2 for application loading and running  |
| Certifications and listings          | UL 294, UL 1076, UL 2610, FCC Part 15 Class B, ICES-003 (B)/NMB-003 (B), RCM<br>Compliance in accordance with applicable LVD, EMC and UK directives and regulations  |

## Ordering Information

| Model Number         | Description  |
|----------------------|--|
| KT-NCC-G2            | KT-NCC PCB, accessory kit, metal cabinet with lock, tamper switch                            |
| KT-NCC-PCB-G2        | KT-NCC PCB, accessory kit  |
| KT-NCC-CAB -G2       | Black metal cabinet with lock and keys   |
| KT-TAMPER            | Tamper switch  |
| KT-LOCK              | Cabinet lock and 2 keys  |
| KT-NCC-G2-RETRO      | Metal conversion plate, KT-NCC-PCB-G2 with power supply                                      |
| KT-NCC-G2-RETC (CAN) | Conversion kit from existing KT-NCC installations  |
| KT-PS4085            | Power supply for KT-NCC-G2, requires a 16.5 VAC 40 VA transformer and a rechargeable battery |
| KT-PTC1640UG         | 16.5 VAC 40 VA plug-in Transformer UL USA only   |
| KT-BATT-12           | Rechargeable battery, 12V 7Ah  |
| KT-PTC1640CG         | 16.5 VAC 40 VA plug-in Transformer CSA. Canada only  |

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