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

Improved Site Location
Site Panel architecture gives better reliability & requires less maintenance

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

Flash Memory
Quick and convenient firmware updates from centralized server

Intelligent reloading
Optimized data loading of site-specific information

Secure and Quick Installation
Battery backup provides alternative for Universal Power Supply (UPS)

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 Note: The KT-NCC-PCB-G2 is compatible with the KT-1-CAB-PSU power supply module. 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)	275H x 330W x 80D
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	• One RS-232 with RJ-12, for supplementary use • Two RS-485 ports • One Ethernet 10/100 Base-T with RJ-45 • Maximum 32 connetions for a total of 128 controllers
Communication speed	• RS-485: 1200 to 115200 Bauds • Ethernet: 10/100 Mb/s BaseT over Ethernet
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 Compliance in accordance with applicable LVD, EMC and UK directives and regulations

Ordering Information

Model Number	Description
KT-NCC-G2	A Kit part number that contains KT-NCC-PCB-G2, Accessory kit, and KT-1 housing with Power Supply.
KT-NCC-PCB-G2	KT-NCC PCB, accessory kit