

Specifications

QC 101

Hardware

Processor	Intel Celeron 2.42 GHz
RAM	4 GB DDR3
Storage.....	80 GB SSD

Software

Operating system.....	Windows Embedded 8
Other software	
QC 101 E	Quantum Elite control and configuration software for Windows
QC 101 C.....	Quantum Connect control and configuration software for Windows

NOTE: The operating system is hard-coded into the QC 101 and Windows updates are not required. The C drive, which contains the operating system, is write-protected to prevent unauthorized access.

Communications – control

Serial control port.....	RS-232 on 1 captive screw connector on rear panel
Baud rate and protocol	9600, 8-bit, 1 stop bit, no parity (default)
Pin configurations	1 = Tx, 2 = Rx, 3 = Gnd
Program control.....	Extron R-type Command Protocol
Ethernet control ports	2 female RJ-45 connectors
Ethernet data rate	10/100/1000Base-T, half/full duplex with auto-detect
Ethernet default settings	
Link speed and duplex level.....	Autodetected
LAN 1 IP address	192.168.254.250
LAN 2 IP address	192.168.254.251
Subnet mask.....	255.255.0.0
Gateway IP address	0.0.0.0
DHCP.....	Off
Protocols	ARP, DHCP, ICMP (ping), TCP/IP, Telnet, SMTP

Communications – setup

Number/signal type.....	1 HDMI 1 DisplayPort 1 RGBHV
Connectors.....	1 female HDMI 1 female DisplayPort 1 female 15-pin HD
Vertical frequency.....	24 Hz to 60 Hz
Resolutions	640x480 to 1920x1200
USB control ports	1 female USB mini B on front panel 2 female USB type A on rear panel
USB standards	USB 3.0, USB 2.0, USB 1.1, USB 1.0 compatible
USB data rates	Low speed (1.5 mbps), full speed (12 Mbps), high speed (480 Mbps)

General

Power supply	Internal Input: 100-240 VAC, 50-60 Hz
Power consumption	16 watts, typical
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Fan, front to back
Thermal dissipation	35.1 BTU/hr
Mounting	
Rack mount	Yes, with optional rack shelf
Enclosure type	Metal
Enclosure dimensions	1.66" H x 8.7" W x 11.97" D (1U high, half rack wide) (4.2 cm H x 22.1 cm W x 30.5 cm D) (Depth excludes connectors and knobs.)
Product weight	3.4 lbs (1.5 kg)
Shipping weight	4 lbs (2 kg)
Regulatory compliance	
Safety	CE, c-UL, UL
EMI/EMC	CE, FCC Class A, ICES, VCCI
Warranty	3 years parts and labor

NOTE: All nominal levels are at $\pm 10\%$.

NOTE: Specifications are subject to change without notice.

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