



QD2010a

Embedded Site Communication Center

Description

The QD2010a Series Embedded Site Communication Center is designed to act as an internet gateway appliance working in conjunction with the centrally-hosted Ubiquity web application. The QD2010a can be connected to a network utilizing the onboard Ethernet port.

The QD2010a features:

- Interface for configurations
- Remotely upgradable firmware
- User definable communication cycles
- SSL (Secure Socket Layer) enabled web pages
- Integrated controller addressing
- Supports up to 3 TCS Basys Controls devices

Specifications

GENERAL

Programming: Using a laptop and a crossover cable or via TCS Insight™ software and a USB flash drive

Communications:

Controller network - RS-485, Half Duplex

Other Communications - minimum 1 USB port

Memory: Minimum of 256 MB of DDR3

CPU: Minimum of 1 GHz

10/100 Ethernet: Included

USB2.0: Included

Max Devices: 3 TCS Basys Controls devices (warranty void if more than 3 controllers are used with product)

Storage: Minimum 1 GB flash memory

Video: HDMI

ENVIRONMENTAL

Operating temperature: 32°F to 77°F (0 - 25°C)

Operating humidity: 90% Non-condensing

Storage temperature: 32°F to 130°F (0 - 55°C)

ELECTRICAL

Supply voltage: 3A

Input Current: 100-240V 50-60Hz, 0.6A

USB Output: 5 VDC at 500 mA

Specifications subject to change without notice.



Specification Suggestions

Embedded site communication centers shall be microprocessor-based, suitable to perform remote monitoring and alarming functions.

Embedded site communication centers shall be programmed using browser based software either remotely using an Ethernet or on-site. Embedded site communication centers shall support downloading of alarm and trend data to an intranet or internet based server. Alarms shall be kept in non-volatile memory. Embedded site communication centers shall be capable of providing notification via email or to browser software on alarm.

Embedded site communication centers must support non-volatile storage, so that in the event of power loss, all programmed operating parameters shall be unaffected without the use of battery backup. All control functions shall continue in the event of a communications failure.

Embedded site communication centers shall provide local communications in accordance with EIA RS485 standards. Embedded site communication centers shall send and receive encrypted data over an Ethernet connection. Embedded site communication centers shall be model QD2010a as provided by TCS Basys Controls.

Ordering Information

Part #	Description
QD2010a	Embedded Site Communication Center, supports 3 SZ or SL controllers
QD2010a Series Accessories	
QW1010A	ZigBee Wireless Gateway - USB
QD1010-USB	USB to RS485 Communication Converter
PI1020	HDMI to VGA Adapter Converter

Dimensions

Note: inches (mm)

