enteliTOUCH®

Touch-screen Interface: enteliTOUCH (eTCH-7E)

Description
The enteliTOUCH (eTCH-7E) is a 7-inch diagonal, high-resolution widescreen format, color LCD, used for interfacing with the Delta Controls Building Automation System. It uses BACnet® to communicate with controllers on a local area network, and across the Internet. Expansion modules can add MS/TP communication, or allow the enteliTOUCH to act as a wireless coordinator to enteliMESH® products. User-created graphics allow the enteliTOUCH to be completely customized for a given application.

Application
enteliTOUCH allows operators to monitor and manage building automation systems by using custom real-time graphics.

The enteliTOUCH display can be wall or panel mounted in mechanical rooms, which allows for monitoring and setting schedules for air handlers, boilers, chillers and other mechanical equipment.

With available expansion modules, the enteliTOUCH can communicate with a BACnet MS/TP subnet or enteliMESH wireless controllers and sensors to form a complete control solution.

Features
▶ High-resolution widescreen display

▶ Touch-screen interface, no stylus required

▶ Attractive, modern design

▶ Panel, wall, new and retrofit wallboard mounting

▶ Create custom enteliTOUCH graphics

▶ Modify controller schedules and calendars

▶ Display and acknowledge alarms

▶ Change setpoints, monitor inputs and outputs

▶ Restrict access with multiple user accounts and individual passwords

▶ Flashload firmware over the network or from a USB drive

▶ Optional wireless expansion module for communication with Delta Control's enteliMESH wireless sensors

▶ Optional embedded Web server for Internet connection and remote operation

▶ Optional alarm notification email

Specifications

BACnet Device Profile
BACnet Building Controller (B-BC)
BACnet Operator Display (B-OD)

LCD Display
Touch-screen LCD with 7 in. (17.8 cm) diagonal widescreen display
High-resolution 800 x 480 (WVGA), 16-bit color

Sound
1 Speaker

Internal Thermistor
Standard 10 kΩ @ 77ºF (25ºC)

External Thermistor
Use a standard 10 kΩ Thermistor

Occupancy Sensor (optional)
Passive infrared motion (PIR) sensor
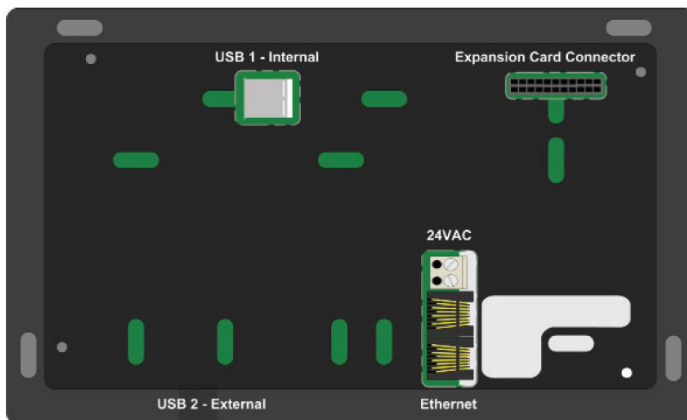16.4 ft. (5 m) detection radius

Wiring Class
Class 2

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BACnet is a registered trademark of the American Society of Heating, Refridgerating and Air Conditioning Engineers Inc.

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enteli**TOUCH**®

Back View of Touch-screen Interface: eTCH-7E

Ordering
Order the enteliTOUCH according to the following product numbers:

eTCH-7ET	enteliTOUCH with ethernet and temperature
eTCH-7ETO	enteliTOUCH with ethernet, temperature and occupancy

enteliMESH Wireless Devices

WNS-TxxxB	Temperature sensor, 3.6 V lithium battery (see catalog sheet for options)
eM-RPT	enteliMESH Repeater, extends the range of enteliMESH devices

Accessories

eTCH-7-BOX	Use for surface mounting with conduit as well as flush wallboard mounting in new and retrofit installations
eTCH-EXP-MSTP	RS-485 expansion module to integrate with a BACnet MS/TP network*
eTCH-EXP-ZBEE	Wireless expansion module to integrate with enteliMESH wireless devices*
DFF099-CDT	Flash Loader Credits (blocks of 50)**
DFF099-KEY	Flash Loader Key with 50 credits**

* The enteliTOUCH is limited to one installed expansion module.

** Required for optional web service and email features.

Specifications (Continued)

Power
24 VAC 50/60 Hz or
10-28 VDC @ 15 VA Max

Technology
32-bit RISC ARM9 processor
256 MB Flash memory (~195 MB available for graphics and eTCH database)
Real-time clock
Super capacitor for 72-hour backup of real-time clock

Communication Ports
2 Ethernet (10/100-BaseT)
BACnet IP, BACnet over Ethernet

Optional RS-485
BACnet MS/TP up to 76800 bps

Optional ZigBee®
ISM 2.4 GHz frequency band, wireless digital spread spectrum 802.15.4 compliant

2 USB 2.0

Ambient
0° to 55°C (32° to 131°F)
10 to 90% RH (non-condensing)

Dimensions
14.2 x 20.8 x 3.5 cm (5.6 x 8.2 x 1.4 in.)

Weight
460 g (1.014 lb) without eTCH-7-Box

Compliance
CE
FCC
EAC

Listings
UL 916 Listed

Subject to change without notice.