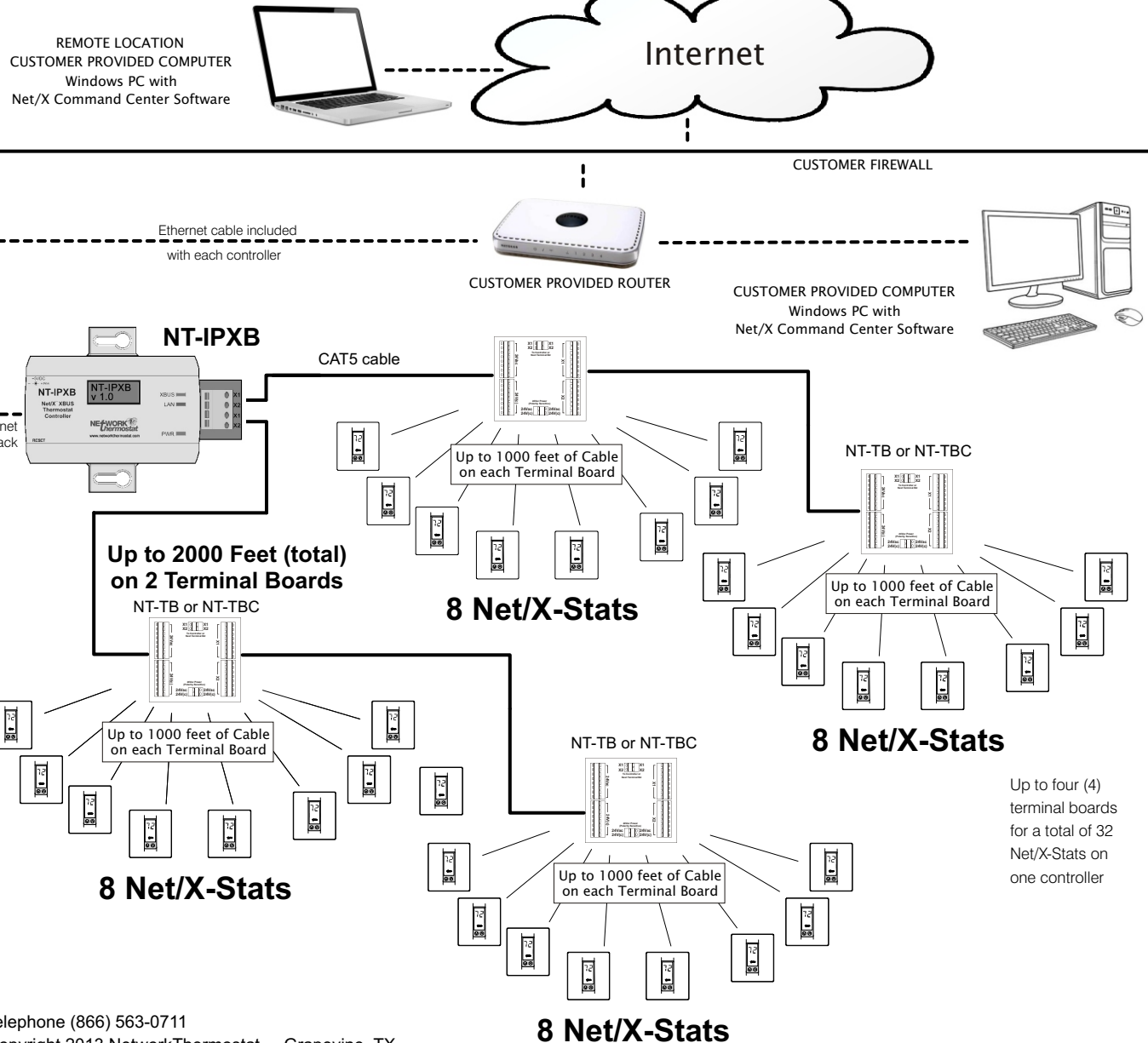


Typical XBUS (Wired) Network for NT-IPXB Network Controller

Total of 32 thermostats on one (1) NetworkThermostat NT-IPXB Controller



Cable and Wiring Notes
All NetworkThermostat products follow industry standard data communications wiring practices. Refer to your local building codes for specific requirements.

- Wiring Guidelines**
- A) Any Net/X thermostat can be up to 1,000 feet away from the Network Controller (cable distance)
 - B) Total of 4,000 feet of cable on any one controller (2,000 feet on each XBUS comm circuit (X1-X2))
 - C) Home run (star) XBUS cables from each thermostat to terminal board, then terminal board to NT-IPXB
 - D) NT-TBC or NT-TB terminal boards may be placed anywhere within the 1,000 feet

Cable Specifications
Net/X XBUS Thermostat Cable Requirement:

- Category 5, 24AWG, 4-pair *
- * Use Riser, Plenum or Underground cable as required by code and installation type.

Communications
Pair 1 - XBUS Communications Bus
X1 - Blue/White Stripe
X2 - Blue

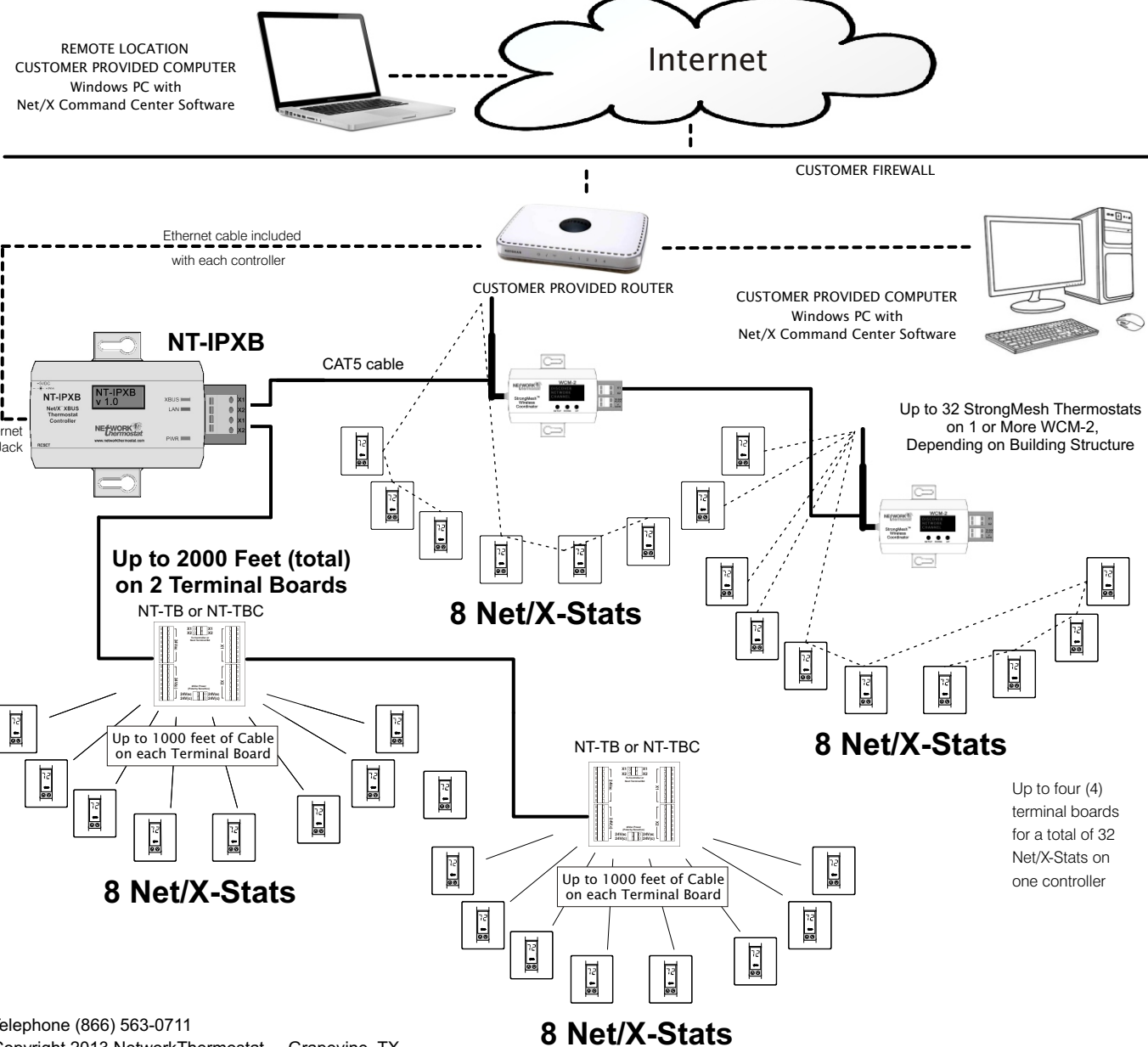
Remote Power over Comm Bus (Optional)
IMPORTANT:
REMOVE YELLOW JUMPER ON BACK OF THERMOSTAT
Pair 2 - Remote Power (24VAC Hot)
Twist together Green and Green/White Stripe

Pair 3 - Remote Power (24VAC Common)
Twist together Brown and Brown/White Stripe

Pair 4 - Not Used
xx - Orange
xx - Orange/White Stripe

Typical XBUS and StrongMesh Wireless Network for NT-IPXB Network Controller

Total of 32 thermostats on one (1) NetworkThermostat NT-IPXB Controller



Cable and Wiring Notes
 All NetworkThermostat products follow industry standard data communications wiring practices. Refer to your local building codes for specific requirements.

Wiring Guidelines
 A) Any Net/X thermostat or WCM-2 can be up to 1,000 feet away from the Network Controller (cable distance)
 B) Total of 4,000 feet of cable on any one controller (2,000 feet on each XBUS comm circuit (X1-X2))
 C) Home run (star) XBUS cables from each thermostat to terminal board, then terminal board to NT-IPXB
 D) NT-TBC or NT-TB terminal boards may be placed anywhere within the 1,000 feet
 E) Do NOT mix XBUS-wired and StrongMesh Wireless on the same NT-IPXB XBUS drive

Cable Specifications
 Net/X XBUS Thermostat Cable Requirement:
 Category 5, 24AWG, 4-pair *
 * Use Riser, Plenum or Underground cable as required by code and installation type.

Communications (To thermostats and WCM-2)
Pair 1 - XBUS Communications Bus
 X1 - Blue/White Stripe
 X2 - Blue

Remote Power over Comm Bus (Optional)
IMPORTANT:
REMOVE YELLOW JUMPER ON BACK OF THERMOSTAT
Pair 2 - Remote Power (24VAC Hot)
 Twist together Green and Green/White Stripe

Pair 3 - Remote Power (24VAC Common)
 Twist together Brown and Brown/White Stripe

Pair 4 - Not Used
 xx - Orange
 xx - Orange/White Stripe