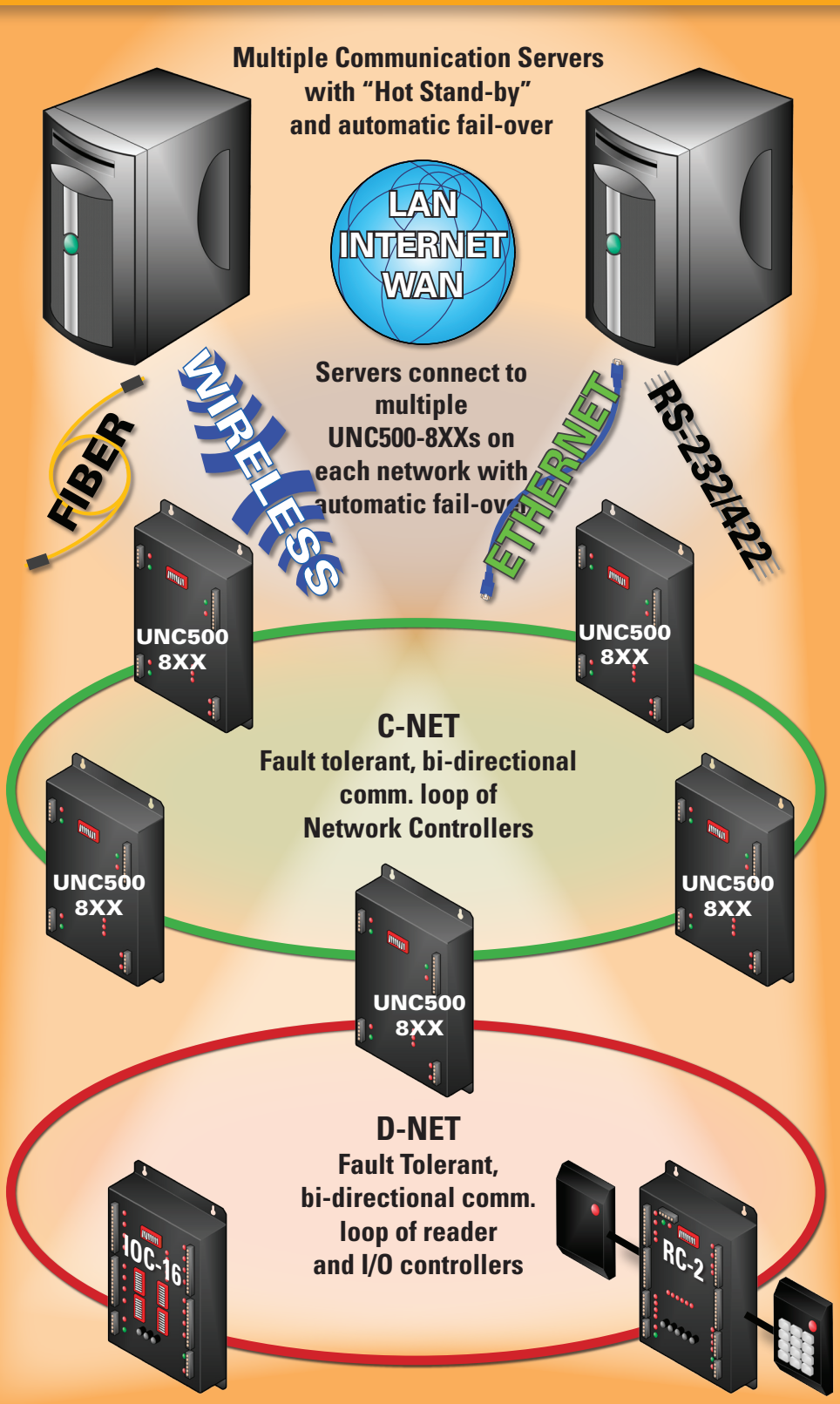
HIGH AVAILABILITY COMMUNICATIONS

AX5-ENT-HA



ENTERPRISE ARCHITECTURE

DATABASE SYNCHRONIZATION

HOT STAND-BY

AUTOMATIC FAIL OVER

MULTI-CHANNEL CONNECTIVITY

THREAT AWARE HARDWARE

DISTRIBUTIVE PROCESSING

CLASS A LOOP WIRING

BI-DIRECTIONAL COMM. LOOP

EVERY PANEL IS A REPEATER

4 LAYERS OF REDUNDANCY

AxiomV

AX-ENT-HA

High Availability Communications via 4 layers of redundancy, is available in the Enterprise Edition of the AxiomV™ Security Management System

1

2

3

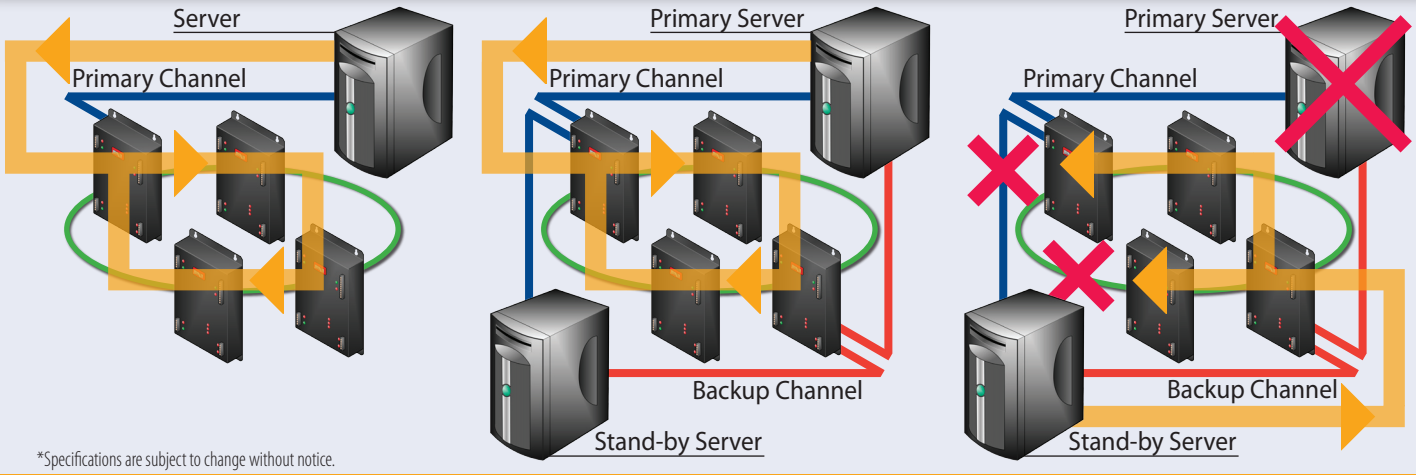
4

AxiomV™ Enterprise Edition is built on multi-server architecture, where discreet servers are implemented across the corporate network with "Hot stand-by" and automatic fail-over features. In case of one of the communication and/or data servers going off line, there is a fully synchronized, up-to date stand-by server ready to take over.

Each Communications Server handles multiple networks of UNC500-8XXs via a wide variety of communication technologies. Each one of those NC networks can have multiple connections to a Comm. Server. Our unique architecture allows these backup channels to connect to both "Master" and "Slave" UNCs constituting a network. This way, not only the loss of a communication channel is sustainable, but also a failure of one or more of the Network Controllers. "Slave" controller will assume the role of a "Master" as the backup communications channel activates.

C-NET connects up to 15 UNC500-8XXs to each other creating a network of UNCs. 2.5 Mbps, ARCNET packet based, supervised and self-adjustable C-NET runs on a "Class A" bi-directional communication loop of twisted, shielded copper pair. Each UNC acts as a booster and a repeater, combining 2,000' distances between individual UNCs into a 12,000' loop. Due to it's bi-directional nature, C-NET can sustain a C-NET cable sabotage and a failure of a UNC.

D-NET connects devices such as RC-2 Reader Controllers IOC-16 Input/Output controllers to the NC-100. 38.4 Kbps, RS-485 circuit runs on a "Class A" bi-directional communication loop of twisted, shielded copper pair. UNC500-8XX, 4-8 of the RC-2s and 16 IOC-16 controllers act as boosters and repeaters, combining the 3,000' distances between individual devices into a 15,000' loop. Due to it's bi-directional nature, D-NET can sustain cable sabotage and a failure of a device.



*Specifications are subject to change without notice.

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