SIEMENS

Cerberus® DMS

XNET Monitoring-Only Solution Assembly

Model MOSA

Architect & Engineer Specifications

- ☐ Cost-effective, monitoring-only XNET interface designed for connecting a Cerberus DMS to an XNET FIRE network
- ☐ Allows Cerberus DMS to connect to an XNET fire network from any non-UL 864 / ULC-S527-11 Listed computer as an ancillary annunciator
- ☐ Transports the XNET protocol over an Ethernet connection between the XNET Monitoring-Only Solution Assembly (MOSA) and the Cerberus DMS
- ☐ Converts the serial-based XNET connection to an Ethernet connection between the XNET Monitoring-Only Solution Assembly (MOSA) and the Cerberus DMS
- ☐ Up to four (4) Model MOSA can connect to each Cerberus DMS server or Front-End Processor (FEP)
- ☐ XNET Monitoring-Only Solution Assembly is UL and ULC recognized as an ancillary annunciator when used with a non-UL 864 / ULC-S527-11 Listed PC

Product Overview

The XNET monitoring-only solution assembly (MOSA) is a cost-effective, monitoring-only XNET interface designed for connecting a Cerberus Danger Management Station (DMS) to an XNET FIRE network using a non-UL 864 / non-ULC-S527-11 Listed computer as an ancillary annunciator.

The MOSA transports the XNET protocol over an Ethernet connection between a MOSA and a Cerberus DMS.

The MOSA is UL / ULC recognized as an ancillary annunciator when used with a non-UL 864 / non-ULC-S527-11 Listed computer. The MOSA can connect to XNET FIRE networks comprised of the following: Cerberus PRO Modular, FireFinder XLS, MXL, Network Command Center (NCC), or Hybrid XNET networks that follows the XNET rules for hybrid networks.

Additionally, the combination of Model MOSA and a non-UL 864 / ULC-S527-11 Listed PC can replace a Model NCC-2F LifeLINK interface card or SNC, as well as a UL 864 / ULC-S527-11 Listed PC for connecting the Cerberus DMS to an XNET network for monitoring-only connections.

See: Details for Ordering section on Page 4 for the list of kit components for Model MOSA.

Specifications

Model MOSA connects to the XNET FIRE network via the monitoring port on Model NIC-C located in a Cerberus PRO Modular or FireFinder XLS panel. Connections to NRC network rings are also supported where MOSA connects to the NRC network ring via the NRC / NIC-C bridge. An assembled Model MOSA must be installed within 20 feet (6.1 meters) – wires in conduit – of the FireFinder XLS/V panel, providing the NIC-C interface and 24 Volts DC power source to the MOSA.

The actual distance is limited to 10 feet (3 meters) due to the length of the NIC-C to XND-M interface cable. In addition, the assembled Model MOSA must be installed within 20 feet (6.1 meters)– wires in conduit – of the Ethernet switch, connecting a MOSA to the intranet.

Mounting set-up of a XNET MOSA

Specifications (continued)

Model MOSA requires a fixed IP address. A total of four (4) XNET MOSAs can connect to **each** Cerberus DMS server or Front End Processor (FEP). A MOSA enclosure (Model ENCL-01) contains a key-lock that is placed in the center, right-hand side, and the door hinge is located on the left-hand side of the enclosure. There are three (3) 1/2" {2.54 cm.} – 3/4" {1.91 cm.} NPT knockouts, two (2) on the right-hand side and one (1) NPT knockout on the left-hand side.

Connection Diagrams

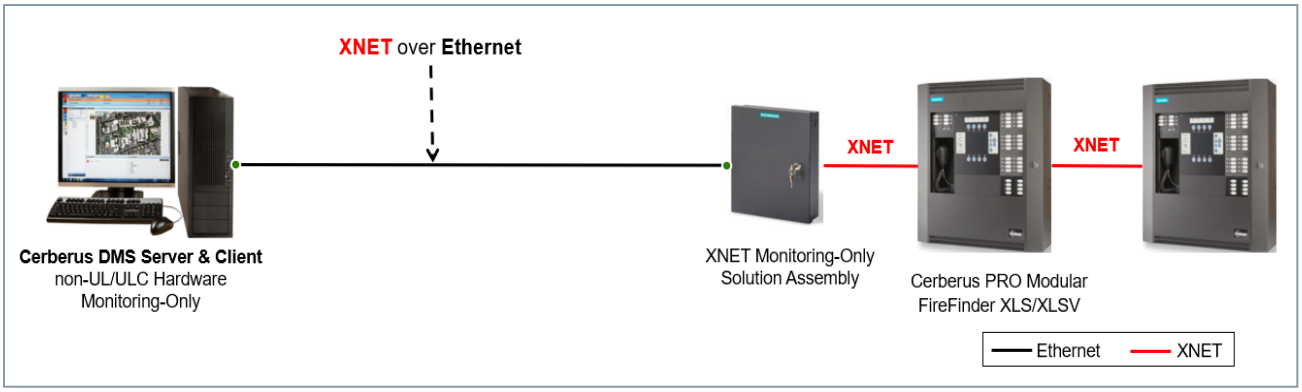
The following conceptual connection diagrams illustrate different options for connecting a Cerberus DMS with an XNET FIRE network, via a Model MOSA.

There are three (3) possible Ethernet connections:

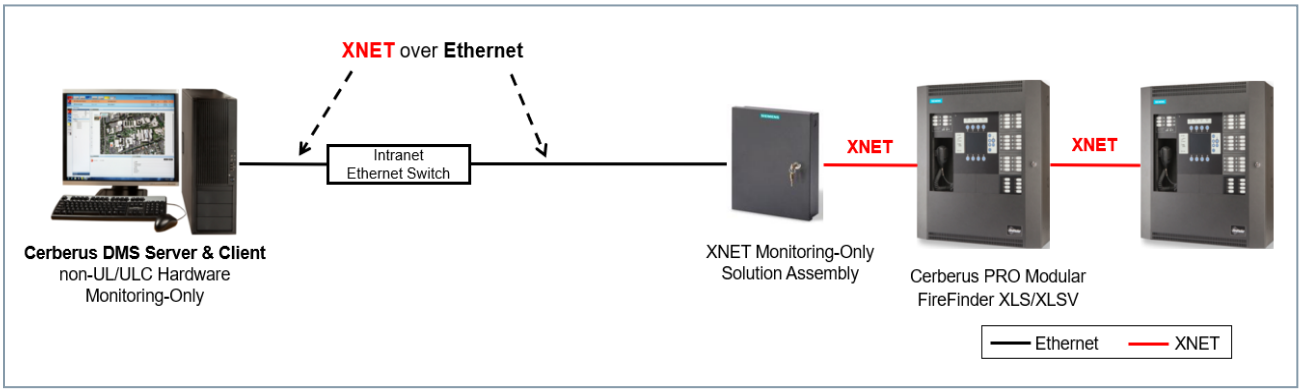
1. A direct Ethernet connection between Model MOSA and the Cerberus DMS Server.
2. An Ethernet connection using an Ethernet switch to connect the MOSA with the Cerberus DMS Server.
3. An Ethernet connection using an Ethernet switch to connect the MOSA with the Cerberus DMS Server, and an additional Cerberus DMS monitoring-only client on the intranet network.

Additional network configurations are possible.

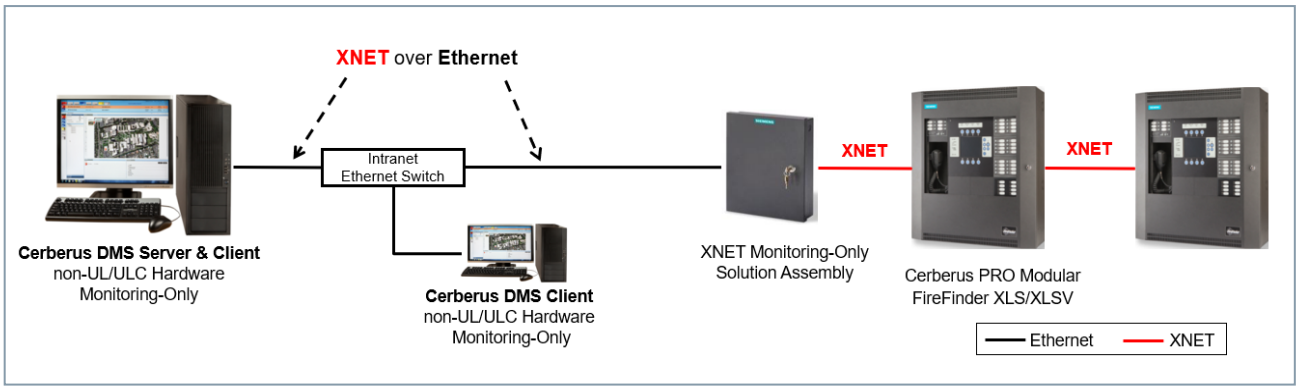
Direct Connection



Intranet Connection

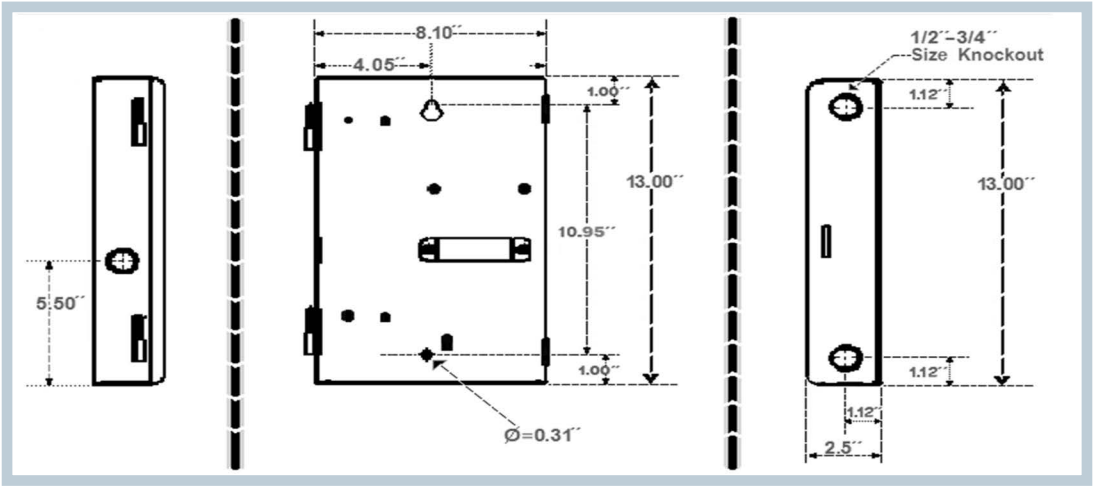


Intranet Connection + Additional Client(s)



Dimensional Drawing

The following diagram illustrates the dimensions of a Monitoring-Only Solution Assembly enclosure, Model ENCL-01



(All dimensions in inches)

Technical Data

Electrical Ratings

24V BACK PLANE CURRENT:	0
SCREW TERMINAL, 24V CURRENT:	26mA
6.2V BACK PLANE CURRENT:	0
24V STANDBY CURRENT:	26mA

Physical Properties

DIMENSIONS (W –x– H –x– D)	8.5" –x– 13.3" –x– 2.75" (21.6 cm –x– 33.8 cm –x– 7 cm)
WEIGHT	8 Lbs. (3,629g)

Details for Ordering

MODEL OR TYPE	PART NUMBER	PRODUCT
MOSA	S54465-C62-A1	**Each order of Model MOSA consists of the following components:** ▪ One (1) Model ENCL-01 enclosure with key-lock door ▪ One (1) Model XND-M: XND-M (XNET interface) Module for MOSA ▪ One (1) Model BRKT-M: Bracket for mounting an XND-M module to a Model ENCL-01 enclosure ▪ One (1) Model S2E: Serial-to-Ethernet Module ▪ One (1) Model PS-5A: Auxiliary 5V power supply module ▪ One (1) Model CBL-M: MOSA Cables - Two (2) S2E power cables (1 red, 1 black) - One (1) XND-M power cable - One (1) NIC-C to XND-M interface cable, 10 feet (3m)
Spare Parts		
ENCL-01	S54465-C63-A1	Exterior Enclosure with Key-Lock Door (with Bracket for mounting an XND-M module to a Model ENCL-01 enclosure)
XND-M	S54431-B5-A1	XND-M (XNET interface) Module for MOSA
S2E	S54465-C65-A1	Serial-to-Ethernet Module
PS-5A	500-492369	Auxiliary 5V Power Supply Module
CBL-M	S54465-C64-A1	MOSA Cables included in each shipment: ▪ Two (2) S2E power cables (1 red, 1 black) ▪ One (1) XND-M power cable ▪ One (1) NIC-C to XND-M interface cable, 10 feet (3m)

Related Documentation

MODEL OR TYPE	DATA SHEET	PRODUCT
(VARIOUS)	**8300**	Cerberus PRO Modular System
(VARIOUS)	**9300**	Cerberus DMS Management Station
(VARIOUS)	**6300**	FireFinder® XLS system overview, FIRE
(VARIOUS)	**6340**	FireFinder® XLS voice-system overview
NIC-C	**6338**	Network Interface Card (for use with FireFinder XLS)
	8338	Network Interface Card (for use with Cerberus PRO Modular system)

NOTICE – The information contained in this data-sheet document is intended only as a summary, and is subject to change without notice. The product(s) described here has/have a specific instruction sheet(s) that cover various technical, limitation and liability information.

Copies of install-type, instruction sheets – as well as the *General Product Warning and Limitations* document, which also contains important data, are provided with the product. All are available from the Manufacturer.

Data contained in the aforesaid type of documentation should be consulted with a fire-safety professional before specifying or using the product.

Any further questions or assistance concerning particular problems that might arise, relative to the proper functioning of the equipment, please contact the Manufacturer.

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