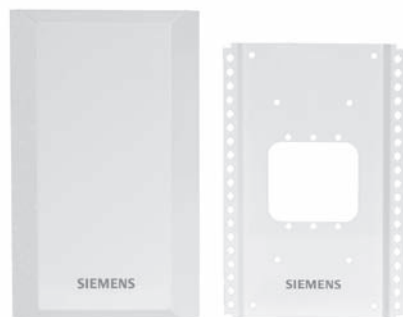# Structured Wiring

Network Centers

Network Enclosures

- Serves as the central hub for distribution and management of data signals
- Modules can be mounted on either side of the grid and upside down
- Modular design allows for expansion of telephone, fax, modem, cable TV, computer networking, audio distribution, high-speed Internet service and home control modules
- Painted white steel
- Side mounting tabs
- Receptacle knockout

NE10
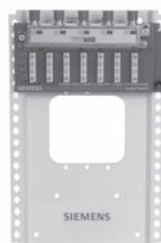10" enclosure plate with cover

NE18
18" enclosure with cover

NE36
36" enclosure

Network Centers

- Provides connection to services used today
- Allows for expansion and enhancement in the future
- Telecom modules distribute phone service to any outlet in the home, each with up to four phone lines
- Video modules distribute video service to any outlet in the home

NC106T4V
10" enclosure plate with 1x6 telephone and 1x4 video combination module

NC186T8V
18" enclosure with 1x6 telephone and 1x8 video distribution module

Network Enclosures and Network Centers

Catalog Number	Description	Dimensions (in.) Enclosure			Dimensions (in.) Cover			Mounting
		H	W	D	H	W	D	
NE10	10" Enclosure with cover	10.00	6.50	0.35	11.00	6.70	4.50	Surface
NE18	18" Enclosure with cover	18.00	14.25	3.50	19.50	15.75	—	Flush/Surface
NE18E	18" Enclosure	18.00	14.25	3.50				Flush/Surface
NE36	36" Enclosure	36.00	14.25	3.50	—	—	—	Flush/Surface
NE18C	18" Enclosure cover				19.50	15.75	—	
NE36C	36" Enclosure cover	—	—	—	37.50	15.75	—	—
NC106T4V	10" Enclosure w/cover & Combination Telcom/Video Module	10.00	6.50	0.35	11.00	6.70	4.50	Surface
NC186T8V	18" Enclosure w/cover & 1x6 Telcom Module & 1x8 Video Module	18.00	14.25	3.50	19.50	15.75	—	Flush/Surface

Structured Wiring

Telephone & Data Modules

Telephone Modules

- Siemens telephone modules serve as the incoming telephone service connection point
- Supports four incoming telephone lines
- RJ-31X security system connection for seizure of line one
- High-quality cable termination on 110 punch-down blocks
- RJ-45 telephone distribution jacks provide flexibility
- Expansion modules allow you to add additional telephone outlets easily and economically

TM1X6
telephone interface hub

- Phone service for up to 4 lines
- Connects to 6 outlet wall plates
- RJ-31X jack for connection to security system
- 110 punch-down connectors
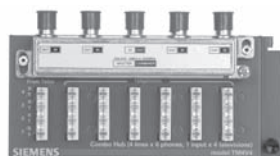- RJ-45 jack for connection to TM8PEXP expansion hub

TM8PEXP
telephone expansion module

- Phone service for up to 4 lines
- Connects to 8 outlet wall plates
- RJ-45 jack for connection to additional TM8PEXP expansion hubs
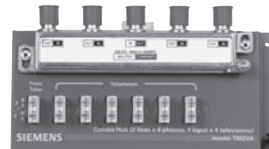- Includes Cat-5 patch cord for connection to telephone master hub

TM1X12RJ45
1 x 12 telecom module

- Phone service for up to 4 lines
- Connects to 12 outlet wall plates
- RJ-45 connectors
- RJ-45 jack for connection to additional TM1X12RJ45 interface modules

TM4V4
combination telephone and video module

- Phone service for up to 4 lines
- Connects to 6 outlet wall plates
- 110 punch-down connectors
- Distributes CATV or antenna signal to 4 televisions

TM2V4
combination telephone and video module

- Phone service for up to 2 lines
- Connects to 6 outlet wall plates
- 110 punch-down connectors
- Distributes CATV or antenna signal to 4 televisions

Telephone Modules

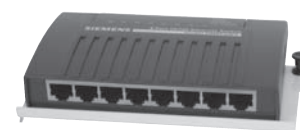| Catalog Number	Description	Connectors	Dimensions (in.)		
			H	W	D
TM1X6	Telephone Interface Hub	110 punch-down	2.75	6.25	1.00
TM8PEXP	1x8 Telecom Expansion Module	110 punch-down	2.75	6.25	1.00
TM1X12RJ45	1x12 Telecom Module	RJ-45	2.75	6.25	1.00
TM2V4	Combination 2x6 Telephone and 1x4 Video Module	110 punch-down	2.75	6.25	1.00
TM4V4	Combination 4x6 Telephone and 1x4 Video Module	110 punch-down	2.75	6.25	1.00

Data Modules

- Siemens data modules support the creation of a high-speed, expandable home network
- Enables users to share files, printers, scanners and other peripheral devices
- High-speed Cat-5 termination point for cable, ISDN or DSL digital data services
- 100 Base-T performance
- Plug and play RJ-45 capability
- Expandable to add additional devices easily and economically

DM8PEXP
8-port network expansion module

- Terminates 8 Cat 5e cables connected to oulet wall plates
- Utilizes AJ12 or AJ24 patch cords to route services through RJ-45 connectors
- Facilitates "plug and play" installation
- Certified 100 Base-T performance
- 110 punch-down connectors

DM8PSWT
8-port network ethernet switch

- 8-port 10/100 Base-T switch creates a home network with 8 connections for computers and peripheral devices
- Cable/DSL modem compatible
- Activity LEDs for network status and diagnosis
- RJ-45 connections
- Expand your network with additional DM8PSWTs for more than 8 connections

Data Modules

Catalog Number	Description	Dimensions (in.)		
		H	W	D
DM8PSWT	8-Port Ethernet Switch	3.75	6.25	1.25
DM8PEXP	8-Port Network Expansion Module	3.75	6.25	1.00

Structured Wiring

Passive and Amplified Video Modules

Passive Video Modules

- Siemens passive video modules serve as the incoming video service connection point
- Distributes a CATV or antenna signal to 3, 4, 6 or 8 television outlets
- Vertical cable access provides easy installation
- -130 dB RFI rejection
- Balanced splitter 5-1000 MHz

VM1X3
1 x 3 video module

VM1X4
1 x 4 video module

VM1X6
1 x 6 video module

VM1X8
1 x 8 video module

Passive Video Modules

Catalog Number	Description	Number of Outputs	Dimensions (in.)		
			H	W	D
VM1X3	1x3 Video Module	3	2.75	6.25	1.00
VM1X4	1x4 Video Module	4	2.75	6.25	1.00
VM1X6	1x6 Video Module	6	2.25	6.25	2.25
VM1X8	1x8 Video Module	8	2.25	6.25	2.25

Amplified Video Modules

- Siemens amplified video modules serve as the incoming video service connection point
- Modulator inputs allow you to view locally generated channels from DVD, VCR, satellite receivers, cable boxes, CCTVs and more on any TV in the house

- 3x8 modules have built-in IR engines which allow infra-red remote control of video equipment
- Bi-directional modules are perfect for use with cable modems and pay-per-view boxes
- High-headroom modules handle signal differences between high-powered analog VHF and low-powered UHF stations

VM1X6A
1 x 6 bi-directional amplified video module

VM3X8AB
3 x 8 bi-directional amplified video module

VM3X8AH
3 x 8 high-headroom amplified video module

- CATV or antenna distribution to 6 outlet wall plates
- Four connections up to 75 feet in length
- Two connections up to 150 feet in length
- Bi-directional amplifier
- 5-42 MHz return path for cable modems, pay-per-view boxes and interactive applications

- CATV video distribution to 8 outlet wall plates
- Two modular inputs to add locally generated channels (CCTV, DVD, VCR, etc.)
- Bi-directional amplifier
- 5-42 MHz return path for cable modems, pay-per-view boxes and interactive applications

- Antenna video distribution to 8 outlet wall plates
- Two modular inputs to add locally generated channels (CCTV, DVD, VCR, etc.)
- High-headroom amplifier

Amplified Video Modules

Catalog Number	Description	Bandwidth	Modulator Inputs	Number of Outputs	Dimensions (in.)		
					H	W	D
VM1X6A	1x6 Bi-Directional Amplified Video Module	40 MHz - 1 GHz	0	6	2.75	6.25	1.25
VM3X8AB	3x8 Bi-Directional Amplified Video Module	54 MHz - 860 MHz	2	8	2.25	6.25	3.25
VM3X8AH	3x8 High-Headroom Amplified Video Module	54 MHz - 860 MHz	2	8	2.25	6.25	3.25

Structured Wiring

Accessories

ACP4
ac power - 4 openings

ACP8
ac power - 8 openings
(outlets not included)

AJ12
1" patch cord

AMK12
module mounting kit

ASL10
replacement snap
locks

AGROM2
2" network enclosure
snap-in grommets

ACTUBE2
2" coupling tube for
network enclosures

ALK2K
lock kit

AJ24
2" patch cord

Accessories

Catalog Number	Description	Standard Package Qty.
ACP4	AC Power - 4 openings	1
ACP8	AC Power - 8 openings	1
AJ12	1" Patch Cord	1
AJ24	2" Patch Cord	1
ACTUBE2	2" Coupling Tube for Network Enclosures	2
AGROM2	2" Snap-In Grommet for Network Enclosures	5
ASC7CM	7" Serial Cable for Home Control Module	1
ASC9T	9" Serial Cable for Thermostats	1
AMBHD	Isolation Mounting Brackets (Heavy Duty)	2
AMBLD	Isolation Mounting Brackets (Light Duty)	2
ALK2K	Lock Kit	1
AMK12	Module Mounting Kit	12
ASL10	Replacement Snap Locks	10
AP8RJ6F	RJ-45 or F-Connector Adapter Plate	1
AWS18	Wire Spacer	1

AC Disconnects

1-Phase, NEMA 3R Rated

WN2060

WN2060GFCI

WF2060PL

WNAS2060GFCI

Steel AC Disconnects[1]

Ampere Rating	Disconnect Type	Catalog Number	Horse Power Rating	Dimensions			Pallet Qty.
				Height	Width	Depth	
30	Fused Pullout	**WF2030**	3	7¼	5	2⅛	360
60	Fused Pullout	**WF2060**	10	9	5	2⅛	360
60	Non-fused Pullout	**WN2060**	10	7¼	5	2⅛	360
60	Non-automatic Switch	**WNAS2060**	10	7¼	5	2⅛	360

Plastic AC Disconnects[1]

Ampere Rating	Disconnect Type	Catalog Number	Horse Power Rating	Dimensions			Pallet Qty.
				Height	Width	Depth	
30	Fused Pullout	**WF2030PL**	3	7¼	5	2½	216
60	Fused Pullout	**WF2060PL**	10	7¼	5	2½	216
60	Non-fused Pullout	**WN2060PL**	10	7¼	5	2½	360
60	Non-Fused Pullout	**WN2060PLX**	10	8	5¾	3½	288
60	Non-automatic switch	**WNAS2060PL**	10	7¼	5	2½	360

Steel AC Disconnects with 15 Amp GFCI Receptacle[1]

Ampere Rating	Disconnect Type	Catalog Number	Horse Power Rating	Dimensions			Pallet Qty.
				Height	Width	Depth	
30	Fused Pullout	**WF2030GFCI**	3	9	6⅛	5³⁄₁₆	112
60	Fused Pullout	**WF2060GFCI**	10	9	6⅛	5³⁄₁₆	112
60	Non-fused Pullout	**WN2060GFCI**	10	7⅛	5¾	5³⁄₁₆	144
60	Non-automatic Switch	**WNAS2060GFCI**	10	7⅛	5¾	5³⁄₁₆	144

Wire Range Table

Connector	Copper		Aluminum	
	Solid	Stranded	Solid	Stranded
Line	#14-8	#14-3	#12-8	#12-3
Load	#14-8	#14-3	#12-8	#12-3
Neutral	#12-8	#12-2	#12-8	#12-2
Equip. Grnd	#12-8	#12-2	#12-8	#12-2

[1] Accepts Class H Fuse