

Multi-service Access Platforms

TELESYN 9400

Multi-service Access Platform

TELESYN 9400

9400 Chassis Group

Carrier class ethernet

A true carrier grade Multi Service Access Platform!

The Telesyn 9400 Multi Service Access Platform combines widely accepted Ethernet switching technology with a vast array of access technologies in order to bring unparalleled flexibility to a service provider's access networks. Whether your road to profitability is through a Fibre To The Home (FTTH) residential market strategy, Metro Ethernet business market strategy, or even an xDSL broadband access strategy, the Telesyn 9400 is the perfect platform for your networking needs.

The Telesyn 9400 is a member of the Telesyn 9000 family. This feature rich, Multi-service Access Platform enables service providers to offer advanced, simultaneous broadband services, such as high quality IP voice, tiered IP/Ethernet data services, and broadcast quality IP video. With the Telesyn 9400 a provider can deliver Carrier Class Metro Ethernet services to enterprises and residential customers alike, irregardless of the access technologies.

One network, no translations™

The Telesyn 9400 is a compact Multi service Access Platform optimised to deliver bundled services to a residential and business subscriber base over native Ethernet fibre or existing copper. By providing bundled services over proven native Ethernet switching technology, a service provider can simplify the network architecture, reduce operational costs and increase revenues via new and advanced services. Ethernet is ubiquitous in the LAN sphere and is now breaking open the 'last mile' bottleneck between end-users and high-speed networks. Telesyn Carrier Class Ethernet enables advanced service providers to move away from complex circuit technologies such as ATM and Frame Relay while realising improved profitability with

Telesyn's One Network No Translations™ solution.

Applications: FTTx and MEN

The Telesyn 9400 Multi-service Access Platform is hardened for outside plant environments and scales from 10 to 70 ports for FTTH services and 24 to 168 ports for xDSL services, or any combination of fibre and xDSL interfaces. On the fibre side, the Telesyn 9400 has proven to be a much more economical technology for FTTx access than earlier ATM based PON architectures. Total cost of ownership is minimised with point-to-point single fibre or ADSL services utilizing the Telesyn 9400, Telesyn NMS and supporting Allied Telesyn residential gateways, switches and routers. The highly flexible Telesyn 9400 also supports Metro Ethernet Networks (MEN) via Transparent LAN services (TLS). Transparent LAN services are accomplished by configurable double VLAN tagging that makes scaling existing MENs easy by allowing the Telesyn 9400 to interoperate with legacy Ethernet switches.

For business services such as E-Line, the Telesyn 9400 supports extensive subscriber filtering features such as IP Filtering, DHCP Relay and metering based on Layer 4 IP flows. Service Provisioning and rapid service turn up and modification are key to delivering Metro Ethernet Services. The Telesyn 9400, Allied Telesyn CPE and Telesyn NMS integrate seamlessly to scale the network from a few thousand subscribers to tens of thousands of subscribers.



Key features

- Carrier Class Ethernet
Star Architecture Backplane
Carrier Grade Platform
Environmentally hardened
- Flexible Broadband Access Platform
Metro Ethernet application
FTTH, FTTP application
10/100/1000Mbps Ethernet services
xDSL high speed services over existing copper
Any Service, Any Slot
Hot Pluggable modules
- Simplified Management
Full front access
Auto-Provisioning
- Transparent LAN services
Triple Play services
Fast Spanning Tree
Multiple Spanning Tree
IGMPv2
IPv6 data pass through
Link Aggregation

TELESYN 9400, Multi-service Access Platform

SPECIFICATIONS

REGULATORY APPROVALS

Safety: UL/CSA 60950, EN60950
Emissions: FCC Part 15 Class A, VCCI A for Japan,
EN 300 386 V1.3.1, EN 55022 Class A
(CISPR 22), GRI089 Core Issue 2
Emissions

CE - IEC 60950 CB Scheme

ANSI T1.413 Annex E

ITU G.992-1

SERVICE MODULES

FE10 10 port copper FE
FX10 10 port 10km single fibre FE Single-Mode
FX10 10 port 2km dual fibre FE Multi-Mode
FX10 10 port 10km dual fibre FE Single-Mode
ADSL24 24 port ADSL, ADSL2+

NETWORK MODULES

GE3 - 3 port SFP based GbE

10GE - 1 port XFP based 10GbE*

QoS

Wirespeed QoS per Port
Four Classes of Service
Input metering
Input rate limiting, output rate shaping

CAPACITY

Seven Service Module slots
One Control Module slot CFC24, CFC72*
Two Redundant Network Modules

OAM&P

All cards Hot Pluggable
Auto-Provisioning
Management via CLI, SNMP and Telesyn NMS

PHYSICAL CHARACTERISTICS

Seven Service Module slots
One Control Module slots
Two Redundant Network Module slots
(Half Width slots)

Full front access

Dimensions:

(HxWxD): 13 x 44 x 30cm
5,25 x 17,375 x 11,8 inch
12" Depth enables deployment options
19" Rackmount for ETSI and ANSI market applications

Weight: 7 kg / 15 lbs per fully loaded chassis

STANDARDS & COMPLIANCE

IEEE 802.3 10T Ethernet
IEEE 802.3u 100TX Ethernet
IEEE 802.3z 1000X Ethernet
IEEE 802.3ad Link Aggregation
IEEE 802.1d Spanning Tree
IEEE 802.1p Class of Service
IEEE 802.1Q VLAN Tagging
IEEE 802.3x Flow Control
IETF RFC 1112 IGMP Snooping v1
IETF RFC 2236 IGMP Snooping v2
IETF RFC 951 BootP
IETF RFC 2131 DHCP
IETF RFC 1350 TFTP

POWER AND ENVIRONMENTAL

Power: Dual -48vDC,
-36vDC to -57,7vDC
Operating Temperature: -40°C to 65°C /
-40°F to 149°F
Non-operating Temperature: -40°C to 85°C /
-40°F to 185°F
Relative Humidity: 5% to 85%, non-condensing

STANDARDS

IEEE 802.1d,w Rapid Spanning Tree
IEEE 802.1Q,TLS (double tagging)
IEEE 802.1p Traffic Class Expediting
IEEE 802.3ad Link Aggregation
IEEE 802.3ah Ethernet First Mile
IETF RFC 1112 IP Multicasting / IGMP Snooping

* Contact your Allied Telesyn sales representative for availability

About Allied Telesyn

Allied Telesyn leads the world in network technologies for the access edge. Since the company's inception in 1987, Allied Telesyn has been developing IP-based network products for use in video, voice and data networks at the metro edge, in education, government agencies and across the enterprise. Allied Telesyn's access, aggregation and core transport technologies range from simple Ethernet adapters, hubs and media converters to robust multi-layer Gigabit Ethernet switches and routers, wireless systems, DTM and WDM transport solutions for delivering real-time video, voice and data. Allied Telesyn's comprehensive support and professional service programs are suited to meet the growing demands of today's switched broadband infrastructures.

Service & Support

Allied Telesyn provides value-added support services for its customers under its Net.Cover® programs. For more information on Net.Cover® support programs available in your area, contact your Allied Telesyn sales representative or visit our website.

www.alliedtelesyn.com

Ordering Information

AT-TN253G

9400 Chassis Group with PEM, FAN, MAC

AT-TNI02A

Service Module, 10 port 10/100BT
10-port 10/100T service module

AT-TNI04A

Service Module, FX10FX, 1310nm,
Multi-Mode, 2km Extended Heat

AT-TNI07A

Service Module, FX10LX, 1310nm,
Single-Mode, 10km, Extended Heat

AT-TNI09A

Service Module, FX10BX, Single-Mode,
Single Fibre, 10km, Extended Heat,
Transmit 1550, Receive 1310
(compatible with Residential Gateway)

AT-TNI12A

Service Module, ADSL24
24 port ADSL, ADSL2+ service module

AT-TN301A

WAN Interface card, 3-port Gigabit Ethernet



Only nature can do better

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