

Multi Service Access Platforms

TELESYN 9700

Multi Service Access Platform

TELESYN 9700

9700 Chassis Group

Carrier class ethernet

A true carrier grade Multi Service Access Platform!

The Telesyn 9700 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 9700 is the perfect platform for your networking needs.

The Telesyn 9700 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 9700 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 9700 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

scales from 10 to 170 ports for FTTH services and 24 to 408 ports for xDSL services, or any combination of xDSL and fibre interfaces. On the fibre side, the Telesyn 9700 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 9700, Telesyn NMS and supporting Allied Telesyn residential gateways, switches and routers. The highly flexible Telesyn 9700 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 9700 to interoperate with legacy Ethernet switches. For business services such as E-Line, the Telesyn 9700 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 9700, 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
 - Redundant Architecture
 - 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 9700, 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), GRI1089 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 (future)

QOS

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

CAPACITY

Up to 17 Service Module slots
Two Redundant Control Module
CFC24, CFC72 (future)
Two Redundant Network Modules

OAM&P

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

PHYSICAL CHARACTERISTICS

17 Service Module slots*
Two Control Module slots*
Two Redundant Network Module slots
(Half Width slots)
Full front access
Dimensions:
(HxWxD): 40 x 44 x 30cm
15.75 x 17.375 x 11.8 inch
12" Depth enables deployment
options
19" Rackmount for ETSI and
ANSI market applications
Weight: 15 kg / 31 lbs per fully loaded
chassis

* 16 Service Modules in a redundant configuration
where one control module slot can be used for a
service module when redundancy is not required

STANDARDS & COMPLIANCE

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

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

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IEEE 802.1Q.TLS (double tagging)
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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-TN252G

9700 Chassis Group with PEM, FAN, MAC

AT-TN102A

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

AT-TN104A

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

AT-TN107A

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

AT-TN109A

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

AT-TN112S

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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