

Elba 260

Elba managed switch series



Datasheet

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The **ELBA** series is a rack mountable Ethernet managed switch with fixed configuration and it is part of Tiesse's solutions for networking which are designed and manufactured entirely by us in Italy.

FEATURES

The **ELBA 260** has 24 Gigabit Ethernet ports, a 10 Gigabit SFP port and two additional 1 Gigabit Ethernet/SFP combo port for fiber connections (also via GPON), for a total of 27 ports.

Elba 260 is easy to configure and thus the set-up time within the network is reduced.

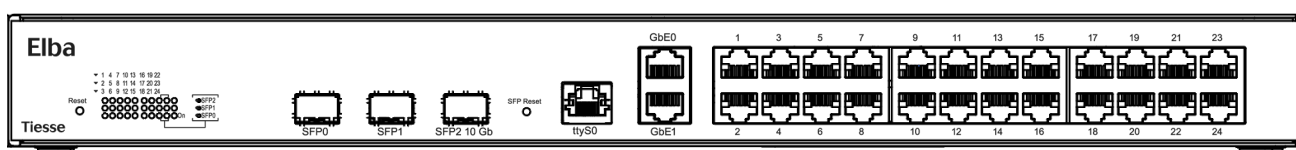
KEY BENEFITS

- ⇒ Security
- ⇒ Scalability
- ⇒ 10 GbE ports
- ⇒ Combo ports
- ⇒ Easy installation and factory pre-configuration
- ⇒ Remote management and provisioning

APPLICATIONS

ELBA 260 is particularly suited for business applications where security and network performances are of primary importance.

INTERFACES

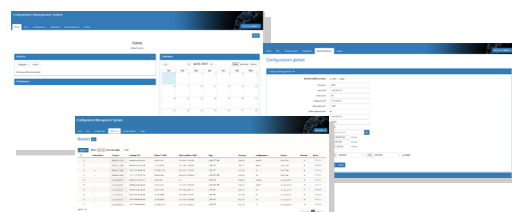


	Elba 260
LAN ETH ports 10/100/1000 MbSwitch	24
Combo ports 1 Giga Ethernet / SFP	2
SFP port 10 Giga	1
Console port RJ45	1

Zero Touch Provisioning

Elba 260 integrates with TNA platform **CoS** component for management, configuration and auto provisioning functions.

TNA (Tiesse Network Architecture) suite is used for the remote and automated management via WEB of the configurations and firmware releases of the installed device park.



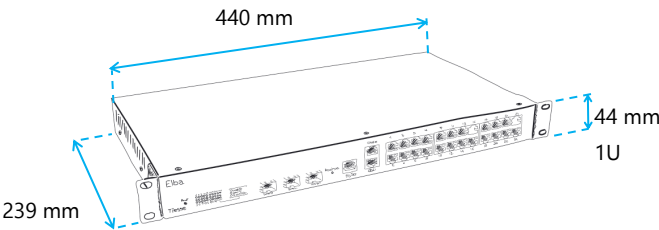
SOFTWARE features

Switching Layer 2	Spanning Tree Protocol	<ul style="list-style-type: none">Support of Spanning Tree Protocol 802.1d standardRSTP (Rapid Spanning Tree Protocol)
	LLDP	Support of Link Layer Discovery Protocol IEEE 802.1ab
	VLAN	<ul style="list-style-type: none">VLAN tag 802.1QVLAN based on MAC addressVLAN for managementVLAN Q-in-QVLAN for voice traffic (assignment to a specific VLAN with QoS management)
	Port aggregation	Support of LACP (Link Aggregation Control Protocol) IEEE 802.3ad
	Unidirectional Link Detection	Support of UDLD
	IGMP	Support of Internet Group Management Protocol to limit multicast traffic
QoS Quality of Service	Class of Service (CoS)	<ul style="list-style-type: none">Classification based on port, over VLAN priority VLAN (802.1p tag),Differentiated Services (DiffServ)Remarking COS
	WRR	Support Weighted Round Robin
	Levels	8 hardware queues for each priority level
	Traffic/Speed	<ul style="list-style-type: none">Data flow control and restriction based on VLAN and portStorm control
Administration and Management	CLI	Command line
	Additional services	<ul style="list-style-type: none">TNA-COS integrationAuto-provisioning

HARDWARE FEATURES

POWER	AC/DC (internal Universal 100-240 VAC) Power Switch ON/OFF
CONSUMPTION	< 25 W
ENVIRONMENT	Operating temperature: -5°C / +55° C Storage temperature: -40°C / +70°C Max operating humidity: 93% (non condensing)
FORM FACTOR	Rack mountable 1U
FANS	Fanless

SIZE



LED INDICATORS

- 1 x power / operational status
- 1 x each SFP port status
- 1 x each Ethernet port for operational status

ADD-ONS

Elba 260 series supports a wide range of SFP transceivers.

Refer to the specific documentation for more information.



Tiesse is a 100% Italian company which has more than 20 years of expertise in designing, developing, and manufacturing M2M/IoT and network devices. The products series IMOLA, LIPARI and LEVANTO, which are innovative, competitive and certified, are present in the largest distributed national networks (from gas stations to large retailers, insurance companies and banks) as well as in the largest networks of the main gaming

www.tiesse.com

Info: mail@tiesse.com

Marketing & Sales: marketing@tiesse.com

Ivrea – Headquarter - Sales offices, Manufacturing facility and R&D: Via Asti 4, 10015 Ivrea (TO) - Tel +39.0125230544 - Fax +39.0125631923

Rome – Sales offices and R&D: Viale L. Gaurico 9/11, 00143 Roma EUR - Tel +39.0654832203 - Fax +39.0654834000

Turin – R&D: Via Livorno 60, 10144 Torino (TO) | **Avezzano** – R&D: Via C. Corradini 80, 67051 Avezzano (AQ)



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