



ATH-8PoE Mini PoE Expansion Card

Teldat Dm623

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Warranty

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Chapter 1 About This Guide

This installation guide contains the step by step instructions that you need to follow in order to correctly install, un-install and replace the ATH-8PoE expansion card in the ATLAS 60 router family.

1.1 Supported Devices

The information contained in this installation guide only applies to the ATH-8PoE expansion card.

1.2 Warnings and notes

Observe the warnings and instructions given in this manual to avoid and prevent injuries or damage during installation and maintenance. Please follow the security procedures and guidelines when working near electrical equipment. The warnings and notes are provided in each chapter as appropriate.

1.3 Who should read this manual

This manual should be read by installers and network administrators who need to install, configure or maintain networks. This guide assumes that the installer is familiar with network electronics and technologies.

1.4 What is in this manual?

This installation guide contains the following information:

- Description of the general characteristics of the ATH-8PoE expansion card.
- Description of the steps to carry out to install the ATH-8PoE card in the ATLAS 60 routers.
- Description of the ATH-8PoE expansion card LEDs and the pinouts for their connectors.

1.5 How is the information organized?

This document aims to provide all the information necessary for installing the ATH-8PoE expansion card in the ATLAS 60 router family.

- ATH-8PoE expansion card characteristics.
- ATH-8PoE expansion card connectors.
- Requirements prior to installation.
- Installing the ATH-8PoE expansion card.

1.6 Technical Support

Teldat SA offers a technical support service.

Contact information:

Web: <http://www.teldat.com>

Tel.: +34 918 076 565

Fax: +34 918 076 566

Email: support@teldat.com

1.7 Related documentation

Teldat Dm615-I *ATH-8PoE Installation*.

Teldat Dm693-I *ATLAS 60 Installation*.



Note

The manufacturer reserves the right to make changes and improvements to the appropriate features in both the software and hardware of this product, modifying the specifications of this manual without prior notice.

The images showing the front and back panels of the device are for information purposes only. Some small modifications may exist in the actual device.

Chapter 2 ATH-8PoE Expansion Card

The ATH-8PoE card is designed to be used in accordance with the IEEE 802.3af compliant Power Sourcing Equipment (PSE) standard. It controls up to eight independent LAN ports, each with output current limit, short-circuit protection, fully developed Powered Device (PD) detection and classification capability.



Fig. 1: ATH-8PoE Card

2.1 ATH-8PoE Expansion Card: Characteristics

The main characteristics of the ATH-8PoE expansion card are as follows:

ATH-8PoE Card: Characteristics

Standard	IEEE 802.3af
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2.2 ATH-8PoE Expansion Card: Connectors

The ATH-8PoE expansion card doesn't have any connectors.

Chapter 3 Installing the ATH-8PoE expansion card

This chapter provides information on how to install and uninstall the ATH-8PoE expansion card in the ATLAS 60 router family.

This information includes:

- Requirements prior to installation.
- Installing or replacing an ATH-8PoE expansion card.

3.1 Requirements prior to installation

There are no requirements prior to installation.

3.2 Installing or replacing the ATH-8PoE expansion card

To install or replace an ATH-8PoE card, please see manual *Teldat Dm615-I ATH-8PoE Expansion Card Installation* .

Chapter 4 LEDs and connector pinouts: Description

This chapter provides information on the ATH-8PoE expansion card LEDs and the connector pinouts.

4.1 ATH-8PoE expansion card: LEDs

The ATH-8PoE expansion card doesn't have any LEDs of its own.

4.2 Connector pinouts

The ATH-8PoE expansion card doesn't have any connectors of its own. However, the ATH-8PoE card controls the switch ports on the ATLAS 60.



Note

The following information only applies to the RJ-45 switch connectors on the ATLAS 60

4.2.1 RJ-45 Connector

The following figure shows an RJ-45 switch connector:

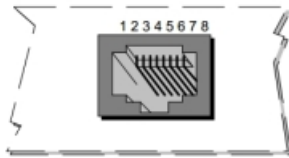


Fig. 2: RJ-45 Connector

Table 2 shows the information associated to each connector pinout for the ATLAS 60 switch:

RJ-45 Connector Pinouts

RJ-45 pinouts	Signal
1	BI-DA+
2	BI-DA-
3	BI-DB+
4	V+
5	V+
6	BI-DB-
7	V-
8	V-

Table 3 shows the characteristics of the RJ-45 switch connectors controlled by the ATH-8PoE card:

RJ-45 Switch Connector Characteristics

Power out	<i>Spare-pair power</i> , which uses the free wire pairs (Mode B)
Pinout polarity	Pinouts 4 and 5 (V+) ; Pinouts 7 and 8 (V-)
Output voltage	- 48V
User port power	15.4 W (max.)



Note


Do not forget to connect the PSU to the PoE connector on the ATLAS 60

Chapter 5 Regulatory compliance and safety information


5.1 Manufacture Information

<i>Brand</i>	Teldat
<i>Manufacturer</i>	Teldat S.A.
<i>Country</i>	Spain
<i>Postal Address</i>	Isacc Newton, 10 Parque Tecnológico de Madrid, 28760 Tres Cantos, Madrid, Spain
<i>International Phone</i>	+34 91 807 65 65

5.2 Safety Warnings

	To reduce the risk of fire, only use a 26 AWG cable or a cable with a large diameter.
	Чтобы снизить риск воспламенения, используйте только кабель 26 AWG или кабель большего диаметра.
	Pour réduire le risque d'incendie, utilisez uniquement un câble 26 AWG ou de diamètre plus grand.
	Para reducir el riesgo de incendio, utilice sólo un cable 26 AWG o de un diámetro mayor.

5.3 WEEE Information

	<p>The waste container symbol with the >X< indicates that the device must be disposed of separately from normal domestic waste at an appropriate waste disposal facility at the end of its useful service life.</p> <p>Das auf dem Gerät befindliche Symbol mit dem durchgekreuzten Müllcontainer bedeutet, dass das Gerät am Ende der Nutzungsdauer bei den hierfür vorgesehenen Entsorgungsstellen getrennt vom normalen Hausmüll zu entsorgen ist.</p> <p>El símbolo del contenedor con la cruz, que se encuentra en el aparato, significa que cuando el equipo haya llegado al final de su vida útil, deberá ser llevado a los centros de recogida previstos, y que su tratamiento debe estar separado del de los residuos urbanos.</p>
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5.4 REACH

In compliance with the REACH Candidate List, the delivered product and product packaging do not contain chemical substances above a concentration limit of 0.1% weight by weight (w/w). This declaration will be updated whenever any changes occur or other chemical substances are added to the REACH Candidate List. Information is currently provided to consumers upon request.

5.5 EC Declaration of Conformity

English (EN)	<p>This equipment is in compliance with the essential requirements and other relevant provisions of:</p> <p>Directive 2014/30/EU (EMC)</p> <p>Directive 2014/35/EU (LVD)</p> <p>Directive 2011/65/EU (RoHS)</p> <p>of the European Parliament</p>
Spanish (ES) Español	<p>Este dispositivo cumple con los requisitos esenciales y con las normas correspondientes de las siguientes directivas:</p> <p>Directiva 2014/30/UE (EMC)</p> <p>Directiva 2014/35/UE (LVD)</p> <p>Directiva 2011/65/UE (RoHS)</p> <p>del Parlamento Europeo</p>
German (DE) Deutsch	<p>Dieses Gerät entspricht den grundlegenden Anforderungen und den weiteren entsprechenden Vorgaben der</p> <p>Richtlinie 2014/30/UE (EMC)</p> <p>Richtlinie 2014/35/UE (LVD)</p> <p>Richtlinie 2011/65/UE (RoHS)</p> <p>des Europäischen Parlaments.</p>



Note

Directive 2014/30/EU (EMC) replaces Directive 2004/108/EC (EMC) on 20th April 2016

Directive 2014/35/EU (LVD) replaces Directive 2006/95/EC (LVD) on 20th April 2016

The EC declaration of conformity and additional product documentation can be accessed here: <http://www.teldat.com>

5.6 CE Marking

This equipment is in conformity with the CE procedures and marking.



5.7 FCC Statement

5.7.1 Federal Communications Commission Interference

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference bearing all costs.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

5.8 IC Statement

5.8.1 CAN ICES-3 (A)/NMB-3(A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus" (ICES-003 of the Department of Communications).

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe A prescrites dans la norme sur le matériel brouilleur: "Appareils Numériques," NMB-003 édictée par le ministère des Communications.