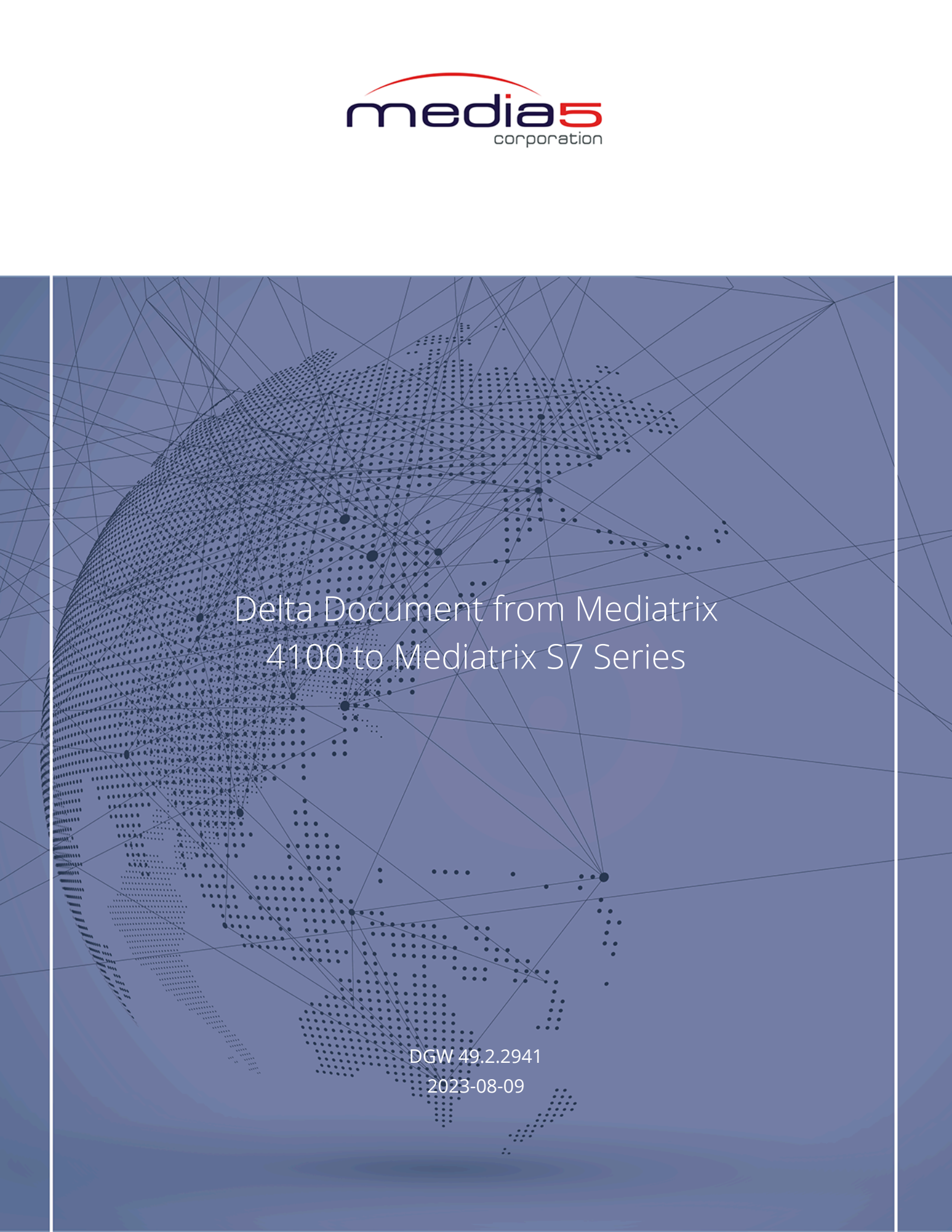


The background of the page is a dark blue gradient. It features a complex, abstract graphic consisting of a dense network of thin, light blue lines connecting numerous small, dark blue dots. These dots are arranged in a way that suggests a global map or a network structure, with higher concentrations of dots in the upper left and lower right areas.

Delta Document from Mediatrix 4100 to Mediatrix S7 Series

DGW 49.2.2941

2023-08-09

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Introduction

Mediatrix S7 Series

The Mediatrix S7 Series of analog VoIP adaptors (ATAs) offers the ability to smoothly connect all IP and legacy equipment to a hosted or on premise IP-PBX.

It is also the ideal solution to connect traditional PBXs and phones to an IP core network without impacting current customer base. The S7 allows operators and providers to use hybrid IP and analog telephone systems with a wide variety of cost-effective and easy-to-deploy applications including multi-tenant buildings, Hosted UC, and survivability for remote offices. The Mediatrix S7 rich feature set, including outstanding voice quality and mass management, enables users to fully benefit from the IP communications while preserving investment on analog phones, faxes, and PBXs. Mediatrix gateway and ATA series are interoperable with all SIP variants and compliant with most VoIP systems, analog PBXs, and phones worldwide.

This new series includes the following models:

- Mediatrix S716 (16 FXS ports)
- Mediatrix S724 (24 FXS ports)

Mediatrix S7 LP Series

The Mediatrix S7 LP is the leading ATA to deploy cloud telephony services for demanding wiring conditions and over-voltage exposure applications.

The Mediatrix S7 LP features long haul FXS ports, lightning protection, outstanding voice quality, rich telephony functionalities, easy deployment and provisioning, advanced security, and superior performance. These make the Mediatrix S7 LP the ideal solution for the hospitality sector, campuses, transport infrastructures, large facilities, and buildings far away from one another. The Mediatrix gateways and ATAs series are interoperable with all SIP variants and compliant with most VoIP systems, analog PBXs, and phones worldwide.

This new series includes the following models:

- Mediatrix S716 LP (16 FXS ports)
- Mediatrix S724 LP (24 FXS ports)

Differences Between the Mediatrix 4116 and Mediatrix S716

For more information on the Mediatrix 4104 and 4108 units, please refer to the [Delta Document - Delta Document from 4104 and 4108 to C7 Series](#) published on the [Media5 Documentation Portal](#).

Mediatrix 4116/LP16	Mediatrix S716/S716 LP
DSP processing capacity and capability	
G.711 – 16 RTP or SRTP calls G.726/G.729 – 16 RTP calls or 12 SRTP calls G.723 – 16 RTP calls or 12 SRTP calls Maximum of 4x 3-way conference calls	G.711 – 16 RTP or SRTP calls G.726/G.729 – 16 RTP calls or 15 SRTP calls Limited support for G.723 Maximum of 2x 3-way conference calls
Visual Message Waiting Indicator (VMWI)	
High voltage signals are supported	High voltage signals are not supported
Telephony interfaces	
16 FXS ports - telephony connectors (RJ-11)	16 FXS ports - telephony connectors (RJ-11) Optional 24xRJ-11 to RJ-21 cable adapter.
FXS numbering from bottom to top, from right to left	FXS numbering from left to right, from top to bottom
4116: with bypass interface LP16: without bypass interface	Optional bypass interface available
Long Loop current limit (min – default - max) (mA)	
20 - 22 - 25	20 - 30 - 32
Network interfaces	
1x or 2x 10/100 Base-T Ethernet interfaces	5x Gigabit Base-T Ethernet interfaces
	Hardware network switch behind ETH2-5
Software bridging capability with ETH1 and ETH2	No software bridging capability
Other interfaces	
N/A	TDM sync RJ-45 connectors (SYNC IN, SYNC OUT)
Physical characteristics	
Depth: 21 cm Weight: 1.7kg – 1.8 kg Plastic casing	Depth: 19.5 cm Weight: 3 kg Metal casing
Operating temperature	
0°C to 45°C	0°C to 40°C

Differences Between the Mediatrix 4116-4124 and S724

Mediatrix 4124/LP24	Mediatrix S724/S724 LP
DSP processing capacity and capability	
G.711 – 24 RTP or SRTP calls G.726/G.729 – 24 RTP calls or 18 SRTP calls G.723 – 24 RTP calls or 18 SRTP calls Maximum of 6x 3-way conference calls	1 DSP
	G.711 – 17 RTP calls or 16 SRTP calls G.726/G.729 – 16 RTP calls or 15 SRTP calls Limited support for G.723 Maximum of 2x 3-way conference calls
	2 DSPs
	G.711 – 24 RTP or SRTP calls G.726/G.729 – 24 RTP or SRTP calls Limited support for G.723 Maximum of 4x 3-way conference calls
Visual Message Waiting Indicator (VMWI)	
High voltage signals are supported	High voltage signals are not supported
Telephony interfaces	
4124 : 25-pair connector (CN50, RJ21) only LP24: 24 FXS ports - telephony connectors (RJ-11)	24 FXS ports - telephony connectors (RJ-11) Optional 24xRJ-11 to RJ-21 cable adapter.
FXS numbering from bottom to top, from right to left	FXS numbering from left to right, from top to bottom
4124: with bypass interface LP24: without bypass interface	Optional bypass interface available
Long Loop current limit (min – default - max) (mA)	
20 - 22 - 25	20 - 30 - 32
Network interfaces	
1x or 2x 10/100 Base-T Ethernet interfaces	5x Gigabit Base-T Ethernet interfaces
	Hardware network switch behind ETH2-5
Software bridging capability with ETH1 and ETH2	No software bridging capability

Mediatrix 4124/LP24	Mediatrix S724/S724 LP
Other interfaces	
N/A	TDM sync RJ-45 connectors (SYNC IN, SYNC OUT)
Physical characteristics	
Depth: 21 cm Weight: 1.7kg – 1.8 kg Plastic casing	Depth: 19.5 cm Weight: 3 kg Metal casing
Operating temperature	
0°C to 45°C	0°C to 40°C

Online Help

If you are not familiar with the meaning of the fields and buttons, click **Show Help**, located at the upper right corner of the Web page. When activated, the fields and buttons that offer online help will change to green and if you hover over them, the description will be displayed.

DGW Documentation

Mediatrix devices are supplied with an exhaustive set of documentation.

Mediatrix user documentation is available on the [Media5 Documentation Portal](#).

Several types of documents were created to clearly present the information you are looking for. Our documentation includes:

- **Release notes:** Generated at each GA release, this document includes the known and solved issues of the software. It also outlines the changes and the new features the release includes.
- **Configuration notes:** These documents are created to facilitate the configuration of a specific use case. They address a configuration aspect we consider that most users will need to perform. However, in some cases, a configuration note is created after receiving a question from a customer. They provide standard step-by-step procedures detailing the values of the parameters to use. They provide a means of validation and present some conceptual information. The configuration notes are specifically created to guide the user through an aspect of the configuration.
- **Technical bulletins:** These documents are created to facilitate the configuration of a specific technical action, such as performing a firmware upgrade.
- **Hardware installation guide:** They provide the detailed procedure on how to safely and adequately install the unit. It provides information on card installation, cable connections, and how to access for the first time the Management interface.
- **User guide:** The user guide explains how to customise to your needs the configuration of the unit. Although this document is task oriented, it provides conceptual information to help the user understand the purpose and impact of each task. The User Guide will provide information such as where and how TR-069 can be configured in the Management Interface, how to set firewalls, or how to use the CLI to configure parameters that are not available in the Management Interface.
- **Reference guide:** This exhaustive document has been created for advanced users. It includes a description of all the parameters used by all the services of the Mediatrix units. You will find, for example, scripts to configure a specific parameter, notification messages sent by a service, or an action description used to create Rulesets. This document includes reference information such as a dictionary, and it does not include any step-by-step procedures.

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