



दूरसंचार विभाग, भारत सरकार


DEPARTMENT OF TELECOMMUNICATIONS, GOVERNMENT OF INDIA

दूरसंचार अभियांत्रिकी केंद्र

TELECOMMUNICATION ENGINEERING CENTRE

CERTIFICATE OF MANDATORY CONFORMANCE

This is to certify that the product described below conforms to the Essential Requirement issued by TEC under Mandatory Testing and Certification of Telecom Equipment as notified vide Indian Telegraph (Amendment) Rules, 2017.

i.	*Certificate No.: 379402474	ii.	Dated: 22-Aug-2024
iii.	Certificate Category: Regular	iv.	Certificate Type: NEW
v.	APPLICANT: Belden India Private Limited, Unit No 233-236 2nd floor Spazende Tower B Sohna RoadSector 47 Gurugram Haryana 122002	vi.	ORIGINAL EQUIPMENT MANUFACTURER: Hirschmann Automation and Control GmbH, Stuttgarter Str. 45-51, 72654 Neckartenzlingen / Germany
vii.	PRODUCT NAME: LAN Switch	viii.	PRODUCT VARIANT: L2 LAN Switch
ix.	PREVIOUS CERTIFICATE NO.: NA	x.	PREVIOUS CERTIFICATE ISSUED DATE: NA
xi.	MODEL NO.: DRAGON MACH4500-80G+8X-L3A-MR	xii.	FAMILY NAME: NA
xiii.	ASSOCIATED MODEL NO.: As given at Table-1 overleaf	xiv.	INTERFACES TESTED: As given at Table-2 overleaf
xv.	SOFTWARE VERSION: 09.0.07	xvi.	HARDWARE VERSION: Z02S05
xvii.	VALID FROM: 22-Aug-2024	xviii.	VALID UPTO: 21-Aug-2034
xix.	ER NO.: TEC37942408	<div style="text-align: right;">DIRECTOR (TC-1) K L Bhawan, Janpath, New Delhi - 110001</div>	
xx.	EMI / EMC CLASS: A		
xxi.	QR CODE: 		

Note:

- *1. This certificate is valid for product(s) manufactured in Germany only, as per the details at Table-3.*
- 2. This certificate is issued for model/family name indicated at (xi) above and applicable for associated/ family model(s) mentioned at Table-1, overleaf only.*
- 3. Bill of Material covered under this certificate is given at Table-4.*
- 4. Terms & Conditions mentioned at MTCTE portal (<https://www.mtcte.tec.gov.in/>) shall be applicable.*

Table-1

List of Associated/Family Models	
i.	DRAGON MACH4500-80G+8X-L3A-UR



Table-2

List of Interfaces Tested	
i.	10 100 1000 BASE-T Ethernet
ii.	10 G Optical Ethernet
iii.	1 G Optical Ethernet



Table-3

List of manufacturing locations (as declared by the applicant) for which this certificate (No. 379402474) is valid:								
S. No.	Product Model number	Contract Manufacturing	Manufacturing Location Address	Contact Person Name (Plant Incharge)	E-mail-ID	Contact number	*Country Of Origin	**Country of Manufacturing
1	DRAGON MACH4500-80G+8X-L3A-MR	No	Hirschmann Automation and Control GmbH Stuttgart Str 45 51 72654 Neckartenzlingen Germany	Michael Schlecht	michael.schlecht@belden.com	7127142101	Germany	Germany
2	DRAGON MACH4500-80G+8X-L3A-UR	No	Hirschmann Automation and Control GmbH Stuttgart Str 45 51 72654 Neckartenzlingen Germany	Michael Schlecht	michael.schlecht@belden.com	7127142101	Germany	Germany

Note: *1. Country of Origin is as per the criteria defined under Custom Rules.

**2. Country of Manufacturing refers to the place where the Telecom product under certification against product model number given above is manufactured/assembled as complete unit only.

Table-4

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)								
Module Name/Atrtribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1
Module No.							DRAGON MACH4500-80G+8X-L3A-MR	DRAGON MACH4500-80G+8X-L3A-UR
EMI/EMC Class of equipment: A	DRAGON MACH4500-80G+8X-L3A-MR	Z02S05				The primary difference between main model and associated model is support for Unicast & Multicast routing. (DRAGON MACH4500-80G+8X-L3A-MR- Supports Unicast & Multicast routing.	Y	Y

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)

Module Name/Atrtribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1
						DRAGON MACH4500-80G+8X-L3A-UR- Supports only Unicast routing)		
Microprocesso r	AM5716AABC XA					Maximun operating frequency: Maximun Frequency of internal CPU is 1.5GHz	Y	Y
Mainboard PCB	77CD2228		09.0.07				Y	Y
CPU board PCB	742522001		09.0.07				Y	Y
10G Ethernet Optical	Mounted on mainboard PCB 77CD2228					Fixed ports: 8 Ports SFP slots for 10 Gbit/s F/O connections	Y	Y

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)

Module Name/Atrtribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1
						(SR, LR, ER)		
1G Ethernet Optical	Mounted on mainboard PCB 77CD2228					Fixed ports: 8 Ports SFP slots for 1 Gbit/s F/O connections (SR, LR)	Y	Y
1G Ethernet Electrical	Mounted on mainboard PCB 77CD2228					Fixed ports: 32 Ports RJ45 slockets for 10/100/1000M bit/s TX connections	Y	Y
Media Module 1: D4K-12TP-RJ45	77CD2639					MediaModule PCB with 12 x RJ45 socket for 10/100/1000 Mbit/s Twisted Pair connections	Y	Y

<p align="center">Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)</p>	
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*** End of the certificate***