



दूरसंचार विभाग, भारत सरकार

DEPARTMENT OF TELECOMMUNICATION, 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.: 594301764	ii.	Dated: 27-Feb-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: Equipments Operating in 2.4 GHz and 5 GHz Band	viii.	PRODUCT VARIANT: Wifi Access Points and CPE
ix.	PREVIOUS CERTIFICATE NO.: NA	x.	PREVIOUS CERTIFICATE ISSUED DATE: NA
xi.	MODEL NO.: BAT-NG DAP847-RWAKKT899THH	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: 4.1.6	xvi.	HARDWARE VERSION: B2.0
xvii.	VALID FROM: 27-Feb-2024	xviii.	VALID UPTO: 31-Dec-2032
xix.	ER NO.: TEC59432308	DDG (TC) K L Bhawan, Janpath, New Delhi - 110001	
xx.	EMI / EMC CLASS: A		
xxi.	QR CODE: 		

Note:

- *1. This certificate is valid for product(s) manufactured in India 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.	BAT-NG DAP847-RWAPKT899THH
ii.	BAT-NG DAP847-RWAPKT899EHH
iii.	BAT-NG DAP847-RWAKKT899EHH
iv.	BAT-NG DAP847-RWCPKT899THH
v.	BAT-NG DAP847-RWCPKT899EHH
vi.	BAT-NG DAP847-RWCKKT899THH
vii.	BAT-NG DAP847-RWCKKT899EHH



Table-2

List of Interfaces Tested	
i.	Gigabit Ethernet Electrical
ii.	WiFi



Table-3

List of manufacturing locations (as declared by the applicant) for which this certificate (No. 594301764) 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	BAT-NG DAP847-RWAKKT899THH	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India
2	BAT-NG DAP847-RWAPKT899THH	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India
3	BAT-NG DAP847-RWAPKT899EHH	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India
4	BAT-NG DAP847-RWAKKT899EHH	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India
5	BAT-NG DAP847-RWCPKT899THH	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India
6	BAT-NG DAP847-RWCPKT899EHH	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India
7	BAT-NG DAP847-RWCKKT899THH	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India

List of manufacturing locations (as declared by the applicant) for which this certificate (No. 594301764) is valid:								
			Village Bhambholi Taluka Khed Pune 410507					
8	BAT-NG DAP847- RWCKKT899EHH	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India

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/Attribute 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 present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
Module No.							BAT-NG DAP847 - RWAKK T899TH H	BAT-NG DAP847 - RWAPK T899TH H	BAT-NG DAP847 - RWAPK T899EH H	BAT-NG DAP847 - RWAKK T899EH H	BAT-NG DAP847 - RWCPK T899TH H	BAT-NG DAP847 - RWCPK T899EH H	BAT-NG DAP847 - RWCKK T899TH H	BAT-NG DAP847 - RWCKK T899EH H
EMI/EMC Class of equipment:	BAT-NG DAP847	B2.0	4.1.6			*The only difference in these units are use case and deployment Scenarios for	Y	Y	Y	Y	Y	Y	Y	Y

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

Module Name/Attribute 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 present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						railways operations as defined below- 1. BAT-NG DAP847 - RWAKK T899TH H- This device is deployed on rail trackside and is without confirmal coating 2. BAT-								

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

Module Name/Attribute 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 present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						NG DAP847 - RWAPK T899TH H- This device is deployed on rail trackside and is without confirmal coating 3.BAT-NG DAP847 - RWAPK T899EH H- This								

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

Module Name/Attribute 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 present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						device is deployed on rail trackside and is with confirmal coating 4. BAT-NG DAP847 - RWAKK T899EH H- This device is deployed on rail trackside and is with								

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

Module Name/Attribute 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 present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						confirmal coating 5. BAT-NG DAP847 - RWCPK T899TH H- This device is deployed on on-board and is without confirmal coating 6. BAT-NG DAP847 -								

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

Module Name/Attribute 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 present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						RWCPK T899EH H- This device is deployed on on-board and is with confirmal coating 7. BAT-NG DAP847 - RWCKK T899TH H- This device is deployed on on-								

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

Module Name/Attribute 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 present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						board and is without confirmal coating 8.BAT-NG DAP847 - RWCKK T899EH H- This device is deployed on on-board and is with confirmal coating								

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

Module Name/Attribute 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 present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
PCB Motherboard	8AA-101-005	01	4.1.6				Y	Y	Y	Y	Y	Y	Y	Y
Microprocessor	IPQ-8071A	01	4.1.6				Y	Y	Y	Y	Y	Y	Y	Y
1GE Ethernet Electrical	21028000	01				1. BAT-NG DAP847 - RWAKK T899TH H- 1 Port 2. BAT-NG DAP847 - RWAPK T899TH H- 1	Y	Y	Y	Y	Y	Y	Y	Y

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

Module Name/Attribute 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 present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						Port 3.BAT-NG DAP847 - RWAPK T899EH H- 1								
						Port 4. BAT-NG DAP847 - RWAKK T899EH H- 1								
						Port 5. BAT-NG DAP847 -								

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

Module Name/Attribute 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 present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						RWCPK T899TH H- 1 Port 6. BAT-NG DAP847 -								
						RWCPK T899EH H- 1 Port 7. BAT-NG DAP847 -								
						RWCKK T899TH H- 1 Port 8.BAT-								

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

Module Name/Attribute 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 present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						NG DAP847 - RWCKK T899EH H- 1 Port								
DC Power Supply	8AA-102-005	01				24/110V DC I in: 1.15A/0.25A	Y	N	N	Y	N	N	Y	Y
Radio Module for 5G	QCN-5154	01				Max EIRP-24.2 dBm	Y	Y	Y	Y	Y	Y	Y	Y
Radio Module for 2.4G	QCN-5124	01				Max EIRP-19.2 dBm	Y	Y	Y	Y	Y	Y	Y	Y
PoE PD	2102800	01				PoE :	Y	Y	Y	Y	Y	Y	Y	Y

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

Module Name/Attribute 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 present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
	00					54Vdc 500mA								

*** End of the certificate***

