



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.: 147600348	ii.	Dated: 03-Dec-2024
iii.	Certificate Category: Provisional	iv.	Certificate Type: MODIFIED
v.	APPLICANT: Fibrsol Global Network Limited, 17, Deep Vihar, Vikas Nagar, Uttam Nagar, West Delhi, Delhi 110059	vi.	ORIGINAL EQUIPMENT MANUFACTURER: Fibrsol Global Network Limited, 17, Deep Vihar, Vikas Nagar, Uttam Nagar, West Delhi, Delhi 110059
vii.	PRODUCT NAME: PON Family of Broadband Equipment	viii.	PRODUCT VARIANT: PON ONT
ix.	PREVIOUS CERTIFICATE NO.: 147600348	x.	PREVIOUS CERTIFICATE ISSUED DATE: 2022-11-02
xi.	MODEL NO.: FS-HGR2111RFVW-D	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: V6.4.4T1	xvi.	HARDWARE VERSION: V2.0.0
xvii.	VALID FROM: 03-Dec-2024	xviii.	VALID UPTO: 02-Dec-2026
xix.	ER NO.: TEC14762207	KHUSHBOO SHARMA Digitally signed by KHUSHBOO SHARMA Date: 2024.12.03 14:01:20 +05'30' DIRECTOR (TC-1) K L Bhawan, Janpath, New Delhi - 110001	
xx.	EMI / EMC CLASS: B		
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.	FS-HGR4001VW-D
ii.	FS-HGR4000W-D
iii.	FS-HGR2001VW-D
iv.	FS-HGR2000W-D
v.	FS-HGR1101VW
vi.	FS-HGR1100W
vii.	FS-HGR1101V
viii.	FS-HGR1000



Table-2

List of Interfaces Tested	
i.	GPON
ii.	EPON
iii.	WiFi
iv.	10 100 1000 BASE-T Ethernet



Table-3

List of manufacturing locations (as declared by the applicant) for which this certificate (No. 147600348) 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	FS-HGR2111RFVW-D	Yes	Surbhi Satcom PVT LTD D 23 Sector 11 Noida	Raju Pal	telco4@surbhiindia.vom	9871647733	India	india
2	FS-HGR4001VW-D	Yes	Surbhi Satcom PVT LTD D 23 Sector 11 Noida	Raju Pal	telco4@surbhiindia.vom	9871647733	India	india
3	FS-HGR4000W-D	Yes	Surbhi Satcom PVT LTD D 23 Sector 11 Noida	Raju Pal	telco4@surbhiindia.vom	9871647733	India	india
4	FS-HGR2001VW-D	Yes	Surbhi Satcom PVT LTD D 23 Sector 11 Noida	Raju Pal	telco4@surbhiindia.vom	9871647733	India	india
5	FS-HGR2000W-D	Yes	Surbhi Satcom PVT LTD D 23 Sector 11 Noida	Raju Pal	telco4@surbhiindia.vom	9871647733	India	india
6	FS-HGR1101VW	Yes	Surbhi Satcom PVT LTD D 23 Sector 11 Noida	Raju Pal	telco4@surbhiindia.vom	9871647733	India	india
7	FS-HGR1100W	Yes	Surbhi Satcom PVT LTD D 23 Sector 11 Noida	Raju Pal	telco4@surbhiindia.vom	9871647733	India	india
8	FS-HGR1101V	Yes	Surbhi Satcom PVT LTD D 23 Sector 11 Noida	Raju Pal	telco4@surbhiindia.vom	9871647733	India	india
9	FS-HGR1000	Yes	Surbhi Satcom PVT LTD D 23 Sector 11 Noida	Raju Pal	telco4@surbhiindia.vom	9871647733	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 FibRSol	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 present in Associated model-8	
Module No.							FS-HGR2111RFVW-D	FS-HGR4001VW-D	FS-HGR4000W-D	FS-HGR2001VW-D	FS-HGR2000W-D	FS-HGR1101VW	FS-HGR1100W	FS-HGR1101V	FS-HGR1000	
Classes of Equipment operating in-Class B		V2.0.0	V6.4.4T1			Hardware version and software version for main model: - FS-HGR2111RFVW-D	Y	Y	Y	Y	Y	Y	Y	Y	Y	
DC or AC						Adapter 12V	Y	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 FibRSol	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 present in Associated model-8
Power supply - 12 Vdc, operated by AC-DC Power Adapter						DC, 1.5A									
PON(GPON/EPON) Interface						1 PON Port (Note:- This single port is compatible for GPON & EPON both)	Y	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 FibRSol	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 present in Associated model-8
CPU: 1000MHz (BCM56150-Broadcom)						Media Tek/RealTech	Y	Y	Y	Y	Y	Y	Y	Y	Y
10/100/1000 Base T Ethernet Ports						FS-HGR2111RFV W-D :- 4 Port 10/100/1000 +1 RF+1Voice +Wi-Fi Dual band	Y	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 FibRSol	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 present in Associated model-8
						ONT FS-HGR4001VW-D :- 4 Port 10/100/1000+1 Voice+ WiFi Dual Band ONT FS-HGR4000W-D :- 4 Port 10/100/1000 +Wi-Fi									

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 FibRSol	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 present in Associated model-8
						Dual Band ONT FS-HGR20 01VW-D :- 2 Port 10/100/1000+1 Voice+ Wifi Dual Band ONT FS-HGR20 00W-D:- 2 Port 10/100/									

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 FibRSol	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 present in Associated model-8
						1000+ WiFi Dual Band ONT FS-HGR11 01VW :- 1 Port 10/100/1000+1 Port 10/100 +1Voice+WiFi Single Band ONT FS-HGR11 00W :-									

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 FibRSol	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 present in Associated model-8
						1 Port 10/100/1000+1 Port 10/100+Wifi Single Band ONT FS-HGR11 01V:- 1 Port 10/100/1000+1 Port 10/100+1Voice ONT FS-HGR10									

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 FibRSol	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 present in Associated model-8
						00 :-- 1 Port 10/100/1000 ONT Compliant with IEEE802.11b/g/n/ac 2.4GHz operating Frequency 2.400-2.4835 GHz,5.0GHz Operating									

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 FibRSol	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 present in Associated model-8
						frequency 5.725-5.875GHz, Wi-Fi 4*4 MIMO 5 DBi Antenna, Tx Power 11n--22dBm & 11ac--24dBm									
Wifi Interface						FS-HGR2111RFV W-D :- 2.4GHz	Y	Y	Y	Y	Y	Y	Y	N	N

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 FibRSol	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 present in Associated model-8
						and 5.0GHz FS-HGR4001VW-D :- 2.4GHz and 5.8GHz FS-HGR4000W-D :- 2.4GHz and 5.8GHz FS-HGR20									

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 FibRSol	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 present in Associated model-8
						01VW-D :- 2.5GHz and 5.0GHz FS-HGR200W-D:- 2.5GHz and 5.0GHz FS-HGR1101VW :- 2.5GHz and 5.0GHz FS-									

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 FibRSol	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 present in Associated model-8
						HGR1100W :- 2.5GHz and 5.0GHz FS-HGR1101V:- Not Available FS-HGR1000 :- Not Available									

*** End of the certificate***