

Multimedia Perspectives

Smart vision. Smart tech.
Product Reference 2025

fagormultimedia.com



We manufacture and create products and solutions for the digital transformation of our clients' business models, with the goal of being a benchmark for technological evolution and making a difference through significant advances in the multimedia and telecommunications industries.

Our perspective can also be yours.

We are Multimedia Perspectives

In a constantly evolving multimedia industry, true consistency lies in people. We believe that it is through talent and creativity that innovation and experience generate real and lasting impact.

Cohesive and committed teams are the ones that lead the transformation and make a difference in this changing world.

With such vision, at Multimedia Perspectives we drive the evolution of multimedia products, services, and management models. We believe in the power of innovation and human talent to create solutions that meet the needs of clients large and small. We have a broad catalogue of products that remain fundamental to our offering and sales, our true passion lies in leading significant advancements and making a difference in the industry through our innovative capacity.

We want to build a future where innovation and people are the driving force of change, acting as catalysts for progress with a clear and valuable purpose.

We are driven by the certainty that each member of our team has the potential to contribute to a remarkable transformation.

We are Multimedia Perspectives, and we are committed to making every breakthrough count.



-> We are manufacturers

Choosing us means opting for quality and complete control at every stage of the process. As manufacturers, we guarantee high-quality products, specifically designed and produced to meet customer needs.



-> We are a team

With the integration of two powerful teams, we combine broad portfolios and diverse experience to offer even more comprehensive and effective solutions. This union maximizes our capabilities and strengthens our commitment to excellence in every project.



-> We are dedication

Our enthusiasm and ambition drive us to overcome limits and reach new horizons. Thanks to the passion and dedication we put into each project, we aim to achieve extraordinary results.



-> We are experience

With over 50 years of combined expertise, we offer deep knowledge of diverse markets, talented people, and reliable products. Our track record ensures solid and dependable solutions, backed by decades of expertise and know-how.



-> We are expansion

With extensive knowledge of different markets and realities, we offer solutions tailored to the specific needs of each market. Our international experience allows us to understand and respond to the diverse needs of our clients around the world, ensuring effective and competitive results.

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RECEPTION

Ref.	Model	Description	Qty/Pack
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TERRESTRIAL ANTENNAS

FM/DAB RADIO SERIES

BAND II ANTENNAS - FM

1726	FM IKF-1E	FM omnidirectional antenna. Freq 88 - 108MHz	1
80025	ANF FMS	Dual polarity FM antenna, horizontal and vertical	10



FM OMNI

BAND III ANTENNA -DAB DIGITAL RADIO

1727	DAB-131	Digital Radio Antenna. Frequency = 174-240 MHz. G = 2 dB	1
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DAB-131

FLASHD & RHOMBUS SERIES: LTE & HDTV

1816	HDTF-C48G	"FLASHD" UHF TV antenna. Ch 21-48 (470-694 MHz). G=17 dB. LTE2 Grey color	1
84410	RHOMBUS A/P 48	D2 & HDTV Optimized Digital Antenna, Channels 21-48 F connector 17 dB (34 dB active)	1
84411	RHOMBUS P 48	D2 & HDTV Optimized Digital Antenna, Channels 21-48 Passive F Connector 17 dB	1
84412	RHOMBUS SU A/P 48	Digital Antenna optimized for D2 & HDTV, Channels 21-48 F connector, 5-unit package, 17 dB (34 dB active)	5
84413	RHOMBUS SU P 48	D2 & HDTV Optimized Digital Antenna, Channels 21-48 F connector, 5-unit package, 17 dB	5



RHOMBUS

DIGIT SERIES: UHF

84405	DIGIT 25 LTE D2	Digital-Analog Antenna, Channels 21-48, White F Connector, 13 dB	6
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DIGIT 25 LTE D2

EVA SERIES

84415	EVA 48	UHF Antenna. Tool-less Channels 21-48 15 dB	6
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EVE

COMPACT SERIES

1824	HDTC-694V	"COMPACT" UHF TV antenna. Ch 21-48 (470-694 MHz). LTE2 G=14 dB. Green color	1/10
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AURA

NANO & AURA SERIES

1825	HDTN-694V	UHF NANO TV antenna. Ch 21-48 (470-694 MHz). LTE2. G=12 dB. Green	1/10
84402	AURA LTE D2	UHF Antenna, Channels 21-48 12 dB	1/10

Ref.	Model	Description	Qty/Pack
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SATELLITE DISHES

RPA SERIES

3065	RPA-060	Satellite dish 60 cm Ø. Offset. Galvanized steel. Light gray epoxy paint.	1
3067	RPA-080	Satellite dish 80 cm Ø. Offset. Galvanized steel. Light gray epoxy paint.	1
3069	RPA-100	Satellite dish 100 cm Ø. Offset. Galvanized steel. Light gray epoxy paint.	1
3060	RPA-120	Satellite dish 120 cm Ø. Offset. Galvanized steel. Light gray epoxy paint.	1
86164	KIT PO 064	Offset Parabola Kit 65 cm. +LNB	4/20



LNB

LNB SERIES Noise Figure 0.2 dB

86129	LNB 201	Individual LNB 1 output	1/50
86131	LNB 204	LNB 4 separate polarities 4 outputs	1/30
86132	LNB 222	Universal LNB 2 Users 2 outputs	1/30
86134	LNB 244	Universal LNB 4 Users 4 Outputs	1/30
86136	LNB 182 MB Twin	Monoblock LNB 2 Users 2 outputs	1
86137	LNB 184 MB Quad	Monoblock LNB 4 Users 4 outputs	1
86246	AL 46	IF SAT line amplifier 950...2300MHz C=18dB F connectors	1

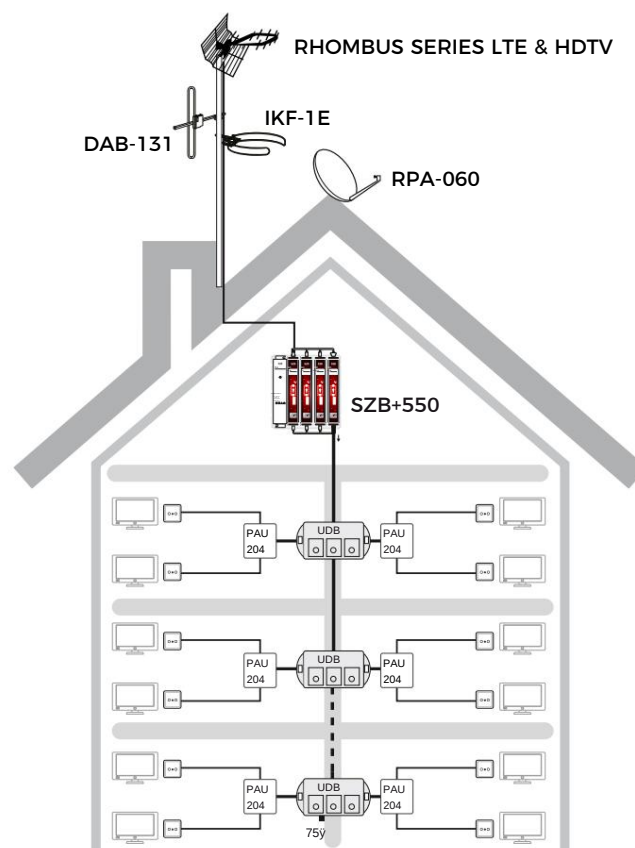


PASSIVE DIPOLE WITH SPLIT RING TECHNOLOGY RESONATOR



Band rejection filter, specially designed to filter out high frequencies, such as those used in 5G mobile telephony, which gives way to DTT television channels, minimizing signal losses.

The new passive dipole incorporates SRR (Split Ring Resonator) technology, which ensures maximum rejection of 5G signals while maintaining the gain characteristics of the TV band. No external filters are required.



Ref.	Model	Description	Qty/Pack
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MECHANICAL ACCESORIES**TURRETS**

82401	PNT 15	1.5 m turret tip with 180 mm ring.	1
82402	PNT 250	2.5 m turret tip with 180 mm ring.	1
82403	TRT 25	Lower section turret 2.5 m. 180 mm.	1
82405	BTR AT	Screw-on turret base 180 mm.	4
82406	BTRM EM	Turret base for embedding 180 mm.	4
82407	BTR AB	Folding turret base for embedding 180 mm.	4
82408	ANC VT	Anchoring of wind tunnels with plates, 300 mm. M 12	7
82409	ARG V40	Wind ring and stop flange, for Ø 40 mm mast.	20
82410	ARG V35	Wind ring and stop flange, for Ø 35 mm mast.	20
82411	CBL AC3	Braided steel wind cable Ø 3 mm.	100 m.
82412	CBL AC3 KIT	Guy wire kit: 25m guy wire, 1 V40 ring, 6 cable clamps and 3 tensioners	1
82413	CBL A 25M 3mm	Braided steel wind cable	25

MASTS

82414	MST 430	Ø 40 mm 3 m ratcheted mast for 2 mm turret tip.	6
82415	MST 315	Ø 35 mm ratcheted mast, 1.5 m. 1.5 mm.	6
82416	MST 325	Ø 35 mm ratcheted mast 2.5 m. 1.5 mm.	6
82418	BTJ 340	Folding tile base, for mast Ø 35-40 mm.	6
82419	ACH 045	Chimney grating, for masts up to Ø 45 mm.	8

MOORINGS AND ACCESSORIES

82421	GRM A20	200 mm screw-on wall claw.	14
82422	GRM U30	Reinforced "U" shaped wall clamp for embedding 300 mm.	14
82423	GRM U50	Reinforced "U" shaped wall clamp for embedding 500 mm.	14
82425	BRI D68	Double flange for mast up to Ø 60 mm. M 8	25
82426	BRI S68	Single flange for mast up to Ø 60 mm. M 8	25
82427	TNS 106	Wind tensioner 100 mm.	25
82428	CRP 001	Closed staple with Ø 7 mm nail.	100
82429	APR 035	Cable clamp for Ø 3 mm cables M 5	25
82435	GRE AT	Angled claw for screwing 168 x 112mm	14
82434	GRP AT	Screw-on bridge claw 320 x 90 mm.	14
86106	SPU 40	U-shaped wall bracket. Diameter 40 mm. Antennas 65/80	10
86101	PPS 100	cm. Wall-floor support for DPO 105	1
86102	PPS 806	Wall-floor support	2
86103	PML 32	"L" shaped wall/mast support, Diam. 32 mm, 65 cm	10
86104	PPA 200	antenna. Column base 200 x 200 mm., Ø 60 mm. for DPO	1
82436	BPP 200	105 Dishbase for embedding 200 x 200 mm.	1

LTE FILTERS**LTE FILTERS**

85056	LBF 694	694 MHz Rejection Filter Interior F Connectors	10/100
85062	LBF-M 694	694 MHz Rejection Filter for Mast F Connectors	10



TOR-250



BTR EM



MST 430



PPA 200



BRI D68



LBF 694



LBF-M 694

AMPLIFICATION

Ref.	Model	Description	Qty/Pack
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MAST

MAST AMPLIFIERS

1304	SBA-103-C48	1 UHF input (470-694 MHz). G=34 dB. Output level 113 dBV (DIN 45004B IMD-60dB)	1/20
1296	SBA-101-C48	2 UHF-UHF inputs (470-694 MHz). G=36 dB. Output level 105 dBV (DIN 45004B IMD-60dB)	1/20
1308	SBA-190-C48	2 UHF inputs (470-694 MHz) + FISAT (950-2150MHz). UHF output level = 105 dBV	1/20
36961	AML 910 L D2	1 UHF input. G=25 dB Channel 48	1/50
36962	AML 910 DC D2	1 UHF input (DC pass-through on UHF input). G=35 dB Channel 48	1/50
36964	AML 920 DC D2	2 BIII/UHF inputs (DC pass-through on the UHF input). G=35 dB Channel 48	1/50
36965	AML 930 DC D2	3 BIII/UHF/UHF inputs (DC pass-through on UHF inputs) G=25/35/35 Channel 48	1/50



SBA-103-C48



AML 900

AMPLIFIER + POWER SUPPLY KIT

1328	JSBA-103-C48	SBA-103-C48 Amplifier + APB-224-M Power Supply	1/20
36955	AML 910 L D2 K	AML 910 L D2 + FA 242 G=25 dB Amplifier KIT	1/50
36956	AML 910 DC D2 K	AML 910 DC D2 + FA 242 G=35 dB Amplifier KIT	1/50
36958	AML 920 DC D2 K	AML 920 DC D2 + FA 242 G=35 dB Amplifier KIT	1/50
36959	AML 930 DC D2 K	AML 930 DC D2 + FA 242 G=35 dB Amplifier KIT	1/50



JSBA-103-C48



AML KIT

POWER SUPPLIES

3436	APB-112-M	Switching power supply +12 VDC. 200 mA. 1 output. Frequency up to 2.4 GHz Dimensions 50x50 mm	1/10
3437	APB-224-M	Switching power supply +24 VDC. 100 mA. 2 outputs. Frequency up to 1 GHz Dimensions 50x50 mm	1/10
66116	FA 242	F. Power supply 24V 150 mA. 2 outputs	1/10
66109	FA 301 S	F. Power supply 12 VDC / 300 mA. SetTopBox switchable power supply 1 output	1/10



APB-112-M



FA 242

Ref.	Model	Description	Qty/Pack
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AMPLIFICATION

MULTIBAND BROADBAND AMPLIFIERS

3573	NBS-801-C48	Multiband amplifier 1 input, 1 output. VHF/UHF Frequency: 45-694 MHz VHF/UHF (G= 42 dB) TV output level = 122 dBμV	1/5
3564	NBS-804-C48	Multiband amplifier, 4 inputs, 1 output. UHF frequency: 470-694 MHz 2xUHF (G= 45 dB) - BI/FM (G= 42 dB) - BIII/DAB (G= 42 dB) TV output level = 122 dBμV	1/5
3576	NBS-895-C48	Multiband amplifier 5 inputs, 1 output. UHF frequency: 470-694 MHz. 2xUHF (G=45 dB) - SAT (G=40 dB) - BI/FM (G=42 dB) - BIII/DAB (G=42 dB) TV output level = 122 dBμV; SAT = 120 dBμV	1/5
35100	MAF 301	3 BI-FM / BII-DAB / UHF inputs G= 30 / 30 / 45 dB	1
35105	MAF 401	4 BI-FM / BII-DAB / UHF / UHF inputs G= 30 / 30 / 45 / 45 dB	1
35115	MAF 311	4 inputs BI-FM / BII-DAB / UHF / SAT G= 30 / 30 / 45 / 43 dB	1
35120	MAF 411	5 inputs BI-FM / BII-DAB / UHF / UHF / SAT G= 30 / 30 / 45 / 45 / 43 dB	1
3535	NBS-701-C48	UHF Frequency: 47-694 MHz. UHF (G= 35 dB). TV output level = 115 dBμV	1/10
3536	NBS-704-C48	UHF frequency: 47-694 MHz. UHF (G= 35 dB) - VHF (G= 22 dB) UHF output level= 115 dBμV - VHF= 115 dBμV	1/10
3537	NBS-795-C48	UHF frequency: 47-694 MHz. UHF (G= 35 dB) - SAT (G= 28-35) - VHF (G= 22 dB) UHF output level= 115 dBμV - SAT= 120 dBμV - VHF= 115 dBμV	1/10
35385	AM 221	2 inputs: BIII-DAB / UHF G = 30 / 38 dB	1
35386	AM 321	3 inputs: BIII-DAB / UHF1 / UHF2 G= 30 / 38 / 38 dB	1
35387	AM 331	3 inputs: FM / BIII-DAB / UHF G= 25 / 30 / 38 dB	1



NBS-800 Series



MAF 301



NBS-700 Series



AM 321

SAT AMPLIFIER/COUPLER

3461	AFI-190	1 satellite input 950-2450 MHz. 1 terrestrial coupling input 5-862 MHz Power and tone generation for LNB polarity selection (SAT Gain = >34 dB) (Output level = 120 dBμV)	1/20
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AFI-190

PROGRAMMABLE AMPLIFIERS

2864	ONE+SAT	Programmable TERR and SAT amplification unit. 7 inputs / 1 or 2 outputs (131 dBuV).	1
2865	ONE+	TERR programmable amplification unit 5 inputs / 1 output (131dBuV)	1
 35546	STELLAR 200	TERR programmable amplification unit 5 inputs / 1 output (115dBuV)	1
 35591	STELLAR 300	TERR and SAT programmable amplification unit. 5 inputs / 2 outputs (115 dBuV)	1
36540	AML PRO 100 D2	4-input intelligent mast amplifier VHF/UHF 32 filters (93dBuV)	1



ONE+ SAT



STELLAR

Ref.	Model	Description	Qty/Pack
SINGLE-CHANNEL AMPLIFIERS			
2260	SZB+550	UHF Amplifier. Digital/Analog Adjacent Channel. Configurable channels output level 121 dBμV AGC	1
2293	SZB-128	BII Amplifier (FM). Gain = 30 dB. Output level = 2x 113 dBμV	1
3160	SZB-168	Digital Radio Amplifier. Gain = 53 dB. Output level = 2x 113 dBμV	1
1346	SZB-190	SAT Amplifier/Coupler. Gain = 33-40 dB. Output level = 120 dBμV	1
2250	SZB-214	Switching power supply 24 VDC; 4.5 A (for SZB series)	1
2220	BAS-915	Support base for 5 units (power contacts).	1
2222	BAS-913	3-unit support base with power adapter (power contacts)	1
2272	PZL-017	Jumper-Patch with FF connectors	8



SZB+550



SZB-214



ATP-200



ATP-190

APARTMENT AMPLIFIERS

3584	ATP-200-C48	Apartment amplifier 1 input 2 outputs terrestrial 47-694 MHz Output level = 103 dBμV (IMD3 -60dB (DIN 45004B))	1/10
3590	ATP-190-C48	Amplifier 1 input 1 output terrestrial/satellite TERR Frequency = 47-694 MHz SAT Frequency = 950-2400 MHz; G = 22 dB Return Path Frequency = 5-30 MHz UHF output level = 106 dBμV (IMD3 -60dB (DIN 45004B)) SAT= 112 dBμV (IMD3 -35dB (EN 50083-3))	1/10
3593	ATP-290-C48	Amplifier 1 input 2 output terrestrial/satellite UHF frequency = 47-694 MHz SAT Frequency = 950-2400 MHz; G = 22dB Return Path Frequency = 5-30 MHz UHF output level = 102 dBμV (IMD3 -60dB (DIN 45004B)) SAT= 108 dBμV (IMD3 -35dB (EN 50083-3))	1/10
36440	AD 620	Indoor amplifier 2 outputs 102 dBμV. Independent regulation UHF/VHF G= 22/20 dB	1/10
36441	AD 620 D2	Indoor amplifier, 2 outputs, 102 dBμV, independent regulation UHF/VHF . G= 22/20 dB, Channel 48	1/10
36442	AD 640	Indoor amplifier, 4 outputs: 100 dBμV. 47-790 MHz G= 16/20 dB	1/10
36443	AD 640 D2	Indoor amplifier, 4 outputs: 100 dBμV. 47-694 MHz G= 16/20 dB Channel 48	1/10

AD 620



AD 640

EXTENSION AMPLIFIERS

35150	WAF 210	Distribution amplifier. Active return path 5-66; 86-862 MHz 120 dBμV	1
3263	TAE1118	VD amplifier: 118 dBμV; VR: 110 dBμV VD Frequency: 86 - 862 MHz ; VR: 5 - 66 MHz Gain: 12 dB	1/5
35152	WAF 311	Extension amp, 1 in - 1 out, 86-862 MHz with equalization ReturnPath 5-66 MHz 120; 123 dBμV	1
3500	SAE-912	Amplifier via Terr: 118 dBμV; Via SAT: 120 dBμV; Passive Return Path (5-35 MHz)	1/5
3507	SAE-920	Dual-way Terr Amplifier: 118 dBμV; SAT Way: 120 dBμV. ICT facilities	1/5
35154	WAF 422	Dual External Amplifier 86-862 MHz Active Return Path 5-66; 47-862 MHz 120; 123 dBμV	1

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APR/SAE



WAF 422

HEADENDS



Ref.	Model	Description	Qty/Pack
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HEADENDS

FAGOR FLOW: Smart headned

MODULES

4319	FLOW-IN4	Quadruple Universal Input Module	1
4311	FLOW-SEC	Double security module	1
4313	FLOW-OUT	Universal Multiple RF Output Module	1
4314	FLOW-HUB	Control module	1
4321	FLOW-ENC+	Quadruple HDMI Encoder Module	1



FLOW-IN4

COMMON ELEMENTS

4312	FLOW-BASE	12-slot chassis for rack and wall mounting	1
4308	FLOW-PSU	Power supply	1
4320	FLOW-RPSU REDUNDANT	Redundant power supply	1
4316	FLOW-COVER	Ventilation lid for FLOW-BASE	1



FLOW-ENC

LICENSES

4317	FLOW-DEVICE-MGR	Device Manager Llicense	1
4335	FLOW-DRM-SAMSUNG-LYNK-HUB	Samsung DRM License	1
4337	FLOW-DRM-PHILIPS-VSECURE-HUB	Vsecure DRM License	1
4338	FLOW-DRM-LG-PROIDIOM-HUB-MAN	Pro Idiom License manufacturer	1
4340	FLOW-DRM-LG-PROIDIOM-HUB-SP	Pro Idiom License Service Provider	1
4336	FLOW-DRM-LG-PROIDIOM-SEC	Pro Idiom license SEC	1
4339	FLOW-DRM-LG-PROIDIOM-ENC	Pro Idiom License ENC+	1



FLOW-RPSU



FLOW-COVER

WARRANTIES

4330	4331	4332	Warranty extension available for 1, 2 and 3 years	1
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ACCESSORIES

4328	FLOW-STB-AC3+ 4K	IPTV/OTT Set-Top Box with 4K support	1
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FLOW-STB-4K

Ref.	Model	Description	Qty/Pack
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HTI SERIES

MODULES

3863	HTI-424	Transmodulator 4 DVB-S/S2/T/T2/C inputs, 4 DVB-C/T outputs; 64 I outputs; 2 Common Interface slots	1
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HTI-424

COMMON ELEMENTS

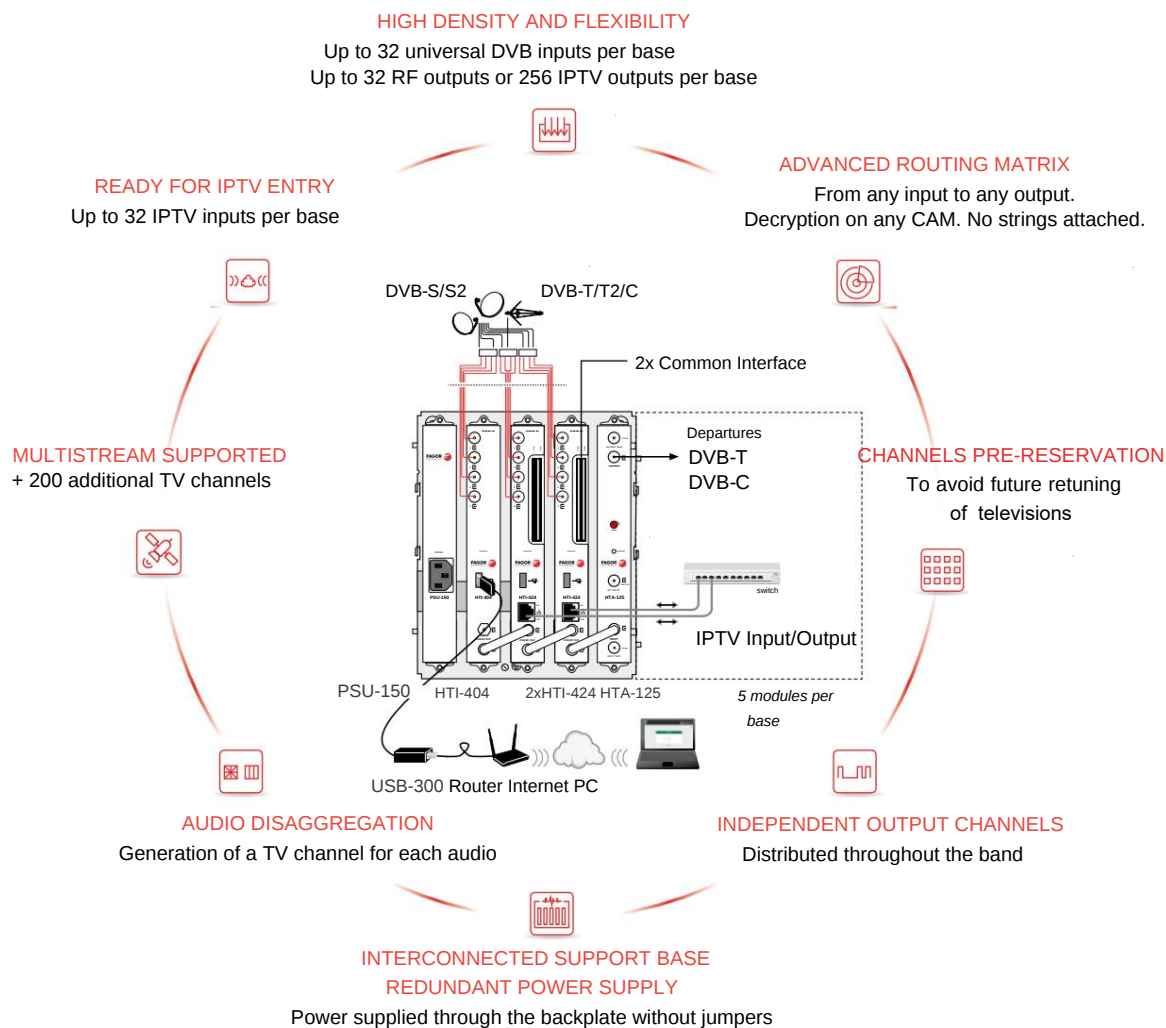
3865	PSU-150	Power supply for HTI headend, Supports redundancy	1
3868	HTA-125	Broadband amplifier 47-862 MHz; 125 dBuV	1
3866	BACK-500	HTI Headend Base. Distributes power and communication lines.	1

ACCESSORIES

3867	SR-HTI	HTI 19" Rack Mount (requires two BACK-500 bases)	1
3870	UAH-001	Bridge for connecting two BACK-500 bases	1
4284	USB-300	USB 3.0 to Ethernet Adapter 10/100/1000	1
4285	ADA-HTI	Special bridge kit for installing ClassA modules on HTI's BACK-500 base	1
4404	COR-150	Angled SCHUKO network cable	1



SR-HTI



Ref.	Model	Description	Qty/Pack
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8000 SERIES

TRANSMODULATOR

8275	STT TWIN 8000	Dual Input/Double Output SAT to COFDM Transmodulator Free-to-air	1
8276	STT-CI TWIN 8000	Dual Input/Double Output SAT to COFDM Transmodulator Common Interface	1
8289	STT-TWIN-MS 8000	SAT to COFDM Transmodulator - Multi Stream	1
8272	SCT TWIN 8000	Dual Input/Dual Output SAT to QAM Transmodulator Free-to-air	1
8273	SCT-CI TWIN 8000	Dual Input/Dual Output SAT to QAM Transmodulator Common Interface	1
8293	TTT-CI TWIN 8000	Double COFDM to COFDM Common Transmodulator Interface	1



8000 SERIES



STT TWIN

MODULATORS

8201	DMT 8000	ASI y COFDM Digital Modulator	1
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SPS 8000

AMPLIFIERS, POWER SUPPLIES AND ACCESSORIES

35083	SHA 8000	Headend Amplifier. 120 dBμV	1
68000	SPS 8000	Power supply. 95 W output	1
68001	SPS 8000 LP	Power supply. 55 W output	1
85110	MCU-ETH 8000	Central control unit. Remote control via Ethernet.	1
85116	LPU 8000	Portable control unit for local PC programming	1
83811	USB 800	USB communication bus between modules	10
83812	USB 801	USB backstage communication bus	1
83813	CU 120	120 Ohm USB charging.	10
83807	BA 807	Power bus 7 mod. + Source	1
83814	PMD 800	RF Bridge 8000 Series	10
84011	CX 75F	Coaxial load 75 Ohms F- male Cable MINI	10
84033	CMD 3 RCA	DIN 5/3 RCA stereo, 2 m.	1
83806	CFR 807	Wall Box with Frame + Ventilation Unit + Power Strip for 3 7-Mod Sockets + Power Supply	1
83805	BST 807	Wall Frame (included in Chest) 7 mod + Source	1
83818	VNT 800	BST 807 2U/rack fan	1
83800	BSR 807	6U 19" Rack Frame. Power Supply + 7 Modules	1
83801	VNT 807	Ventilation kit for 19" rack mounting	1
83802	CAM 08	Cover adapting the module to a 19" Rack	1
83804	CAF 08	Cover adapting the power supply to a 19" rack	1
83803	CC 08	Blind cover for 19" Rack	1
83816	CC FR	Blind cover redundant source Rack 19"	1
83817	CP 08	1U behind the scenes step cover Rack 19"	1
83810	BF 800	Power bus Source-to-Source (behind the scenes)	1



LPU 8000



BST 807



CFR 807



VNT 807

IPOLO SERIES

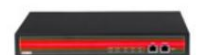
8240	SIT 402	IP Streamer: 4 SAT inputs; 2 IP outputs at 150 Mbps. 32 FTA SAT-IP services.	1
8241	SIT 422	IP Streamer: 4 SAT inputs; 2 150 Mbps IP outputs. 32 Common Interface services.	1
8245	TIT 402	IP Streamer: 4 COFDM inputs; 2 150 Mbps IP outputs. 32 COFDM-IP services.	1



SIT 422 IPOLO SERIES

IP ENCODER

4325	ENC-108	8-input HDMI to IP encoder	1
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ENC-108

CONNECTED DEVICES

Ref.	Model	Description	Qty/Pack
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CAST CONNECT

8477	CAST CONNECT 60 SRV	Cast Connect Server 60 users	1
8441	CAST CONNECT 300 SRV	Cast Connect Server 300 users	1
8478	CAST CONNECT 2000 SRV	Cast Connect Server 2000 users	1
8490	SRV-CAST	Rack mount bracket for 300 and 2000 server installation	1
NEW 10034	4K FMS BUILT-IN DONGLE	4K FMS Built-in Google TV dongle	1
8456	CAST CONNECT PROTECT 1 YEAR		1



FAGOR Connect Server



Cast 4K FMS Dongle
BUILT-IN

GPON AND OVERLAY

10421	OLT 880	GPON headend equipment 6xGE SFP, 2x10GE SFP+, 8xGE RJ45 uplink	1
10431	ONT 412 C	GPON network terminal with CATV 4xGbE 2x2dBi output	1
10433	ONT 115	GPON 4xGbE 2x5dBi network terminal	1
10434	ONT 425	GPON 4xGbE 2x5dBi network terminal. Wi-Fi 6	1
10435	ONT 825 PoE	GPON 8GbE 4x2dBi network terminal. Wifi 2 bands PoE	1
10412	OYA 819	YEDFA Optical Amplifier for RF Overlay. 8x19dBm	1
10400	ROT 506	1550nm 6dBm Overlay Optical Transmitter	1
10403	ROT-510 S	1550nm 10dBm Overlay Optical Transmitter (valid for satellite)	1



OLT 880



ONT



OYA

L2/L3 SWITCHES

8339	SWI024G	Switch L2/L3 24 GbE ports + 4 SFP+ 10G ports	1
8341	SWI024G PoE	Switch L2/L3 24 GbE ports + 4 SFP+ ports 10G PoE	1



SWITCH 24

MULTISWITCHES

Ref.	Model	Description	Qty/Pack
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STAND-ALONE MULTISWITCHES

5 INPUTS (4 SAT + 1 TERR)

86460	FMF 508	5x8 Terminal Multiswitch with power supply SPS 1825 4+1 IN / 8 users	1
86461	FMF 512	5x12 Terminal Multiswitch with power supply SPS 1825 4+1 IN / 12 users	1
86462	FMF 516	5x16 terminal multiswitch with power supply SPS 1825 4+1 IN / 16 users	1
86463	FMF 524	5x24 terminal multiswitch with power supply SPS 1825 4+1 IN / 24 users	1
86464	FMF 532	5x32 terminal multiswitch with power supply SPS 1825 4+1 IN / 32 users	1



FMF 508

9 INPUTS (8 SAT + 1 TERR)

86465	FMF 908	9x8 Terminal Multiswitch with power supply SPS 1825 8+1 IN / 8 users	1
86466	FMF 912	9x12 Terminal Multiswitch with power supply SPS 1825 8+1 IN / 12 users	1
86467	FMF 916	9x16 terminal multiswitch with power supply SPS 1825 8+1 IN / 16 users	1
86468	FMF 924	9x24 terminal multiswitch with power supply SPS 1825 8+1 IN / 24 users	1
86469	FMF 932	9x32 terminal multiswitch with power supply SPS 1825 8+1 IN / 32 users	1



FMF 916

13 INPUTS (12 SAT + 1 TERR)

86625	FMF 1308	13x8 Multiswitch terminal with power supply SPS 1825 12+1 IN / 8 users	1
86626	FMF 1312	13x12 Multiswitch terminal with power supply SPS 1825 12+1 IN / 12 users	1
86627	FMF 1316	13x16 Multiswitch terminal with power supply SPS 1825 12+1 IN / 16 users	1
86628	FMF 1324	13x24 Multiswitch terminal with power supply SPS 1825 12+1 IN / 24 users	1
86629	FMF 1332	13x32 Multiswitch terminal with power supply SPS 1825 12+1 IN / 32 users	1



FMF 1324

Ref.	Model	Description	Qty/Pack
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17 INPUTS (16 SAT + 1 TERR)

86470	FMF 1708	17x8 Multiswitch terminal with power supply SPS 1825 16+1 IN / 8 users	1
86471	FMF 1712	17x12 Multiswitch terminal power supply SPS 1825 16+1 IN / 12 users	1
86472	FMF 1716	17x16 Multiswitch terminal power supply SPS 1825 16+1 IN / 16 users	1
86473	FMF 1724	17x24 Multiswitch terminal power supply SPS 1825 16+1 IN / 24 users	1
86474	FMF 1732	17x32 Multiswitch terminal power supply SPS 1825 16+1 IN / 32 users	1



FMF1716

Cascade Multiswitches**5 INPUTS (4 SAT + 1 TERR)**

86432	FMC 508	5x5x8 Cascade multiswitch 4+1 IN & OUT / 8 users	1
86433	FMC 512	5x5x12 Cascade multiswitch 4+1 IN & OUT / 12 users	1
86434	FMC 516	5x5x16 Cascade multiswitch 4+1 IN & OUT / 16 users	1
86445	FMC 524	5x5x24 Cascade multiswitch 4+1 IN & OUT / 24 users	1
86446	FMC 532	5x5x32 Cascade multiswitch 4+1 IN & OUT / 32 users	1



FMC 508

9 INPUTS (8 SAT + 1 TERR)

86436	FMC 908	9x9x8 Cascade multiswitch 9+1 IN & OUT / 8 users	1
86437	FMC 912	9x9x12 Cascade multiswitch 8+1 IN & OUT / 12 users	1
86438	FMC 916	9x9x16 Cascade multiswitch 8+1 IN & OUT / 16 users	1
86447	FMC 924	9x9x24 Cascade multiswitch 8+1 IN & OUT / 24 users	1
86448	FMC 932	9x9x32 Cascade multiswitch 8+1 IN & OUT / 32 users	1



FMC916

13 INPUTS (12 SAT + 1 TERR)

86620	FMC 1308	13x13x8 Cascade multiswitch 12+1 IN & OUT / 8 users	1
86621	FMC 1312	13x13x12 Cascade multiswitch 12+1 IN & OUT / 12 users	1
86622	FMC 1316	13x13x16 Cascade multiswitch 12+1 IN & OUT / 16 users	1
86623	FMC 1324	13x13x24 Cascade multiswitch 12+1 IN & OUT / 24 users	1
86624	FMC 1332	13x13x32 Cascade multiswitch 12+1 IN & OUT / 32 users	1



FMC 1324

17 INPUTS (16 SAT + 1 TERR)

86439	FMC 1708	17x17x8 Cascade multiswitch 16+1 IN & OUT / 8 users	1
86440	FMC 1712	17x17x12 Cascade multiswitch 16+1 IN & OUT / 12 users	1
86441	FMC 1716	17x17x16 Cascade multiswitch 16+1 IN & OUT / 16 users	1
86449	FMC 1724	17x17x24 Cascade multiswitch 16+1 IN & OUT / 24 users	1
86450	FMC 1732	17x17x32 Cascade multiswitch 16+1 IN & OUT / 32 users	1



FMC 1716

AMPLIFIERS FOR MULTISWITCHES

86442	FAC 005	5 IN & OUT headend amplifier with SPS 1825 power supply 22dB gain (4dB slope)	1
86443	FAC 009	9 IN & OUT headend amplifier with SPS 1825 power supply 22dB gain (4dB slope)	1
86630	FAC 013	13 IN & OUT headend amplifier with SPS 1825 power supply 22dB gain (4dB slope)	1
86444	FAC 017	17 IN & OUT headend amplifier with SPS 1825 power supply 22dB gain (4dB slope)	1



FAC 009

Ref.	Model	Description	Qty/Pack
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SPLITTERS FOR MULTISWITCHES

86451	FSP 005	Shielded splitter 5 IN / 10 OUT - 4 dB	1
86454	FSP 009	Shielded splitter 9 IN / 18 OUT - 4 dB	1
86457	FSP 017	Shielded splitter 17 IN / 34 OUT - 4 dB	1



FSP 005

TAP-OFFS FOR MULTISWITCHES

86452	FTP 505	Shielded bypass 5 IN / 5 OUT - 12 dB TAP	1
86453	FTP 510	Shielded bypass 5 IN / 10 OUT - 12 dB TAP	1
86455	FTP 909	Shielded bypass 9 IN / 9 OUT - 12 dB TAP	1
86456	FTP 918	Shielded bypass 9 IN / 18 OUT - 12 dB TAP	1
86458	FTP 1717	Shielded bypass 17 IN / 17 OUT - 12 dB TAP	1
86459	FTP 1734	Shielded bypass 17 IN / 34 OUT - 12 dB TAP	1



FTP 510

POWER SUPPLY

86430	SPS 1825	Power supply 18 VDC / 2.5 A	1
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ACCESSORIES

86599	UCM 100	Output configuration unit	1
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DISTRIBUTION

Ref.	Model	Description	Qty/Pack
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2 GHz DISTRIBUTION COMPONENTS

F CONNECTOR 2400MHz TAPS

85266	DER 110	1 input IF SAT 1 output Derivation -10 dB	10
85267	DER 115	1 input IF SAT 1 output Derivation -15 dB	10
85268	DER 120	1 input IF SAT 1 output Derivation -20 dB	10
85269	DER 125	1 input IF SAT 1 output Derivation -25 dB	10
85270	DER 210	input IF SAT 2 outputs Derivation -10 dB	10
85271	DER 215	input IF SAT 2 outputs Derivation -15 dB	10
85272	DER 220	input IF SAT 2 outputs Derivation -20 dB	10
85273	DER 225	input IF SAT 2 outputs Derivation -25 dB	10
85274	DER 410	input IF SAT 4 outputs Derivation -10 dB	10
85275	DER 415	input IF SAT 4 outputs Derivation -15 dB	10
85276	DER 420	input IF SAT 4 outputs Derivation -20 dB	10
85277	DER 425	input IF SAT 4 outputs Derivation -25 dB	10
85278	DER 615	input IF SAT 6 outputs Derivation -15 dB	10
85279	DER 620	input IF SAT 6 outputs Derivation -20 dB	10
85280	DER 625	input IF SAT 6 outputs Derivation -25 dB	10
85281	DER 815	input IF SAT 8 outputs Derivation -15 dB	10
85282	DER 820	input IF SAT 8 outputs Derivation -20 dB	10
85283	DER 825	input IF SAT 8 outputs Derivation -25 dB	10



DER SERIES

FLANGE BRIDGE TAP-OFFS 2400MHz

85504	DEF 107	1 input IF SAT 1 output Derivation -7 dB	10/200
85505	DEF 111	1 input IF SAT 1 output Derivation -11 dB	10/200
85506	DEF 116	1 input IF SAT 1 output Derivation -16 dB	10/200
85507	DEF 120	1 input IF SAT 1 output Derivation -20 dB	10/200
85508	DEF 211	1 input IF SAT 2 outputs Derivation -11 dB	10/200
85509	DEF 216	1 input IF SAT 2 outputs Derivation -16 dB	10/200
85510	DEF 220	1 input IF SAT 2 outputs Derivation -20 dB	10/200
85511	DEF 225	1 input IF SAT 2 outputs Derivation -25 dB	10/200
85512	DEF 411	1 input IF SAT 4 outputs Derivation -11 dB	10/200
85513	DEF 416	1 input IF SAT 4 outputs Derivation -16 dB	10/200
85514	DEF 420	1 input IF SAT 4 outputs Derivation -20 dB	10/200
85515	DEF 425	1 input IF SAT 4 outputs Derivation -25 dB	10/200
2121	UDB-615	1 input IF SAT 6 outputs Derivation -15 dB	10
2122	UDB-620	1 input IF SAT 6 outputs Derivation -20 dB	10
2123	UDB-625	1 input IF SAT 6 outputs Derivation -25 dB	10
2124	UDB-815	1 input IF SAT 8 outputs Derivation -15 dB	10
2125	UDB-820	1 input IF SAT 8 outputs Derivation -20 dB	10



DEF/DIF



UDB 615

Ref.	Model	Description	Qty/Pack
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F CONNECTOR SPLITTERS 2400MHZ

2092	SCS 2	2-output SAT IF -4.5dB insertion	10
2093	SCS 3	3-output SAT IF -6.5dB insertion	10
2094	SCS 4	4-output SAT IF -8dB insertion	10
2096	SCS 6	6-output SAT IF -10dB insertion	10
2098	SCS 8	8-output SAT IF -12dB insertion.	10



SCS 8

FLANGE BRIDGE SPLITTERS 2400MHZ

85500	DIF 204	2-output SAT IF Insertion -4.5 dB	10/200
85501	DIF 307	3-output SAT IF Insertion -6.5 dB	10/200
85502	DIF 409	4-output SAT IF Insertion -8.5 dB	10/200
85503	DIF 513	5-output SAT IF outputs at -9 dB and 2 at -12.5 dB).	10/200



SCS 6

FLANGE BRIDGE USER ACCESS POINT

2102	DAU-204	Splitter+PAU 2 outputs. Attenuation 4.5 dB	10
2103	DAU-307	Splitter+PAU 3 outputs. Attenuation 8 dB	10
2104	DAU-408	Splitter+PAU 4 outputs. Attenuation 9.5 dB	10
2105	DAU-510	Splitter+PAU 5 outputs. Attenuation 11.5 dB	10
2106	DAU-612	Splitter+PAU 6 outputs. Attenuation 13 dB	10
2107	DAU-813	Splitter+PAU 8 outputs. Attenuation 14.5 dB	10



DAU-408



DAU-813

F CONNECTOR USER ACCESS POINT

85347	PAU 22 F	Splitter+PAU, 2 Inputs; 2 Outputs. Insertion - 5 dB	10
85349	PAU 23 F	Splitter+PAU 2 Inputs: one with 75 Ohm. 3 Outputs. Insertion - 8.2 dB	10
85351	PAU 24 F	Splitter+PAU 2 Inputs: one with 75 Ohm. 4 Outputs. Insertion - 9.5 dB	10
85350	PAU 25 F	Splitter+PAU 2 Inputs: one with 75 Ohm. 5 Outputs. Insertion - 14.7 dB	10
85352	PAU 26 F	Splitter+PAU2 Inputs: one with 75 Ohm. 6 Outputs. Insertion - 14.9 dB	10
85353	PAU 28 F	Splitter+PAU 2 Inputs: one with 75 Ohm. 8 Outputs. Insertion - 16 dB	10



PAU 23 F

F CONNECTOR SHIELDED DIPLEXERS

3372	DMS-300	3-input combiner (TV; IF-1; IF-2) 2-output combiner (TV+IF-1; TV+IF-2). ICT	1
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DMS-300

FLANGE BRIDGE SHIELDED DIPLEXERS

86243	DXR 2D+	Combiner for ICT headend, 3 inputs-2 outputs RF -5.5 dB; SAT -1.5 dB	10/200
86244	DXR 216+	Diplexer - Combiner 2 inputs-1 output IF SAT / RF RF -1.7 dB; SAT -2 dB	10/200



DXR 2D+

FLANGE BRIDGE OUTER BOX

85013	PI DES	DES - DIS - PAU Weather Protector for mast, black	10
85016	PI DES-DIS +/-	IN / EXT Trim Protector for DES-DIS-PAU white color	10



PI DES

Ref.	Model	Description	Qty/Pack
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1 GHz DISTRIBUTION COMPONENTS

F CONNECTOR TAPS

85480	DER 214 C	5-1000 MHz 2-output DC Block Derivation -14 dB	10
85481	DER 217 C	5-1000 MHz 2-output DC Block Derivation -17 dB	10
85482	DER 223 C	5-1000 MHz 2-output DC Block Derivation -23 dB	10
85483	DER 226 C	5-1000 MHz 2-output DC Block Derivation -26 dB	10
85485	DER 414 C	5-1000 MHz 4-output DC Block Derivation -14 dB	10
85486	DER 417 C	5-1000 MHz 4-output DC Block Derivation -17 dB	10
85487	DER 423 C	5-1000 MHz 4-output DC Block Derivation -23 dB	10
85488	DER 426 C	5-1000 MHz 4-output DC Block Derivation -26 dB	10



DER 214 C

F CONNECTOR SPLITTERS

85470	REP 204C	5-1000 MHz 2 outputs DC Block Insertion -4 dB	10
85471	REP 306 C	5-1000 MHz 3 outputs DC Block Insertion -6 dB	10
85472	REP 408 C	5-1000 MHz 4 outputs DC Block Insertion -8 dB	10
85474	REP 612 C	5-1000 MHz 6 outputs DC Block Insertion -12 dB	10



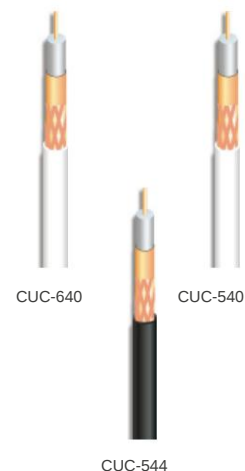
REP 204 C

COAXIAL CABLES

Dca

2780	CUC-640	15 dB (694 MHz) 29.5 dB (2150 MHz), Ø6.8mm, White, Dca. RG6	100
2791	CUC-540	16 dB (694 MHz) 31.5 dB (2150 MHz) Ø6.8mm, White, Dca. RG6	100
2790	CUC-544	16 dB (694 MHz) 31.5 dB (2150 MHz) Ø6.8mm, Black, Dca. RG6	100
2783	CUA-540	16 dB (694 MHz) 31.5 dB (2150 MHz), Ø6.8mm, White, Dca. RG6	100
2785	CUA-544	16 dB (694 MHz) 31.5 dB (2150 MHz), Ø6.8mm, Black, Dca. RG6	100
84172	CCF 021	0.18 dB/m 860 MHz; 0.29 dB/m 2150 MHz Cu / CCA Dca Cardboard reel. White PVC. Ø 1.02mm RG6	100
84173	CCF 019	0.17dB/m 860MHz; 0.28 dB/m 2150 MHz Cu / CCA Dca Cardboard reel. Black PVC. Ø 1.13mm RG6	100
84174	CCF 019	0.17dB/m 860MHz; 0.28 dB/m 2150 MHz Cu / CCA Dca Cardboard reel. White PVC. Ø 1.13mm RG6	100
84177	CCF 021	0.18 dB/m 860 MHz; 0.29 dB/m 2150 MHz Cu / CCADca Cardboard reel. White PVC. Ø 1.02mm RG6	250
84178	CCF 019	0.17dB/m 860MHz; 0.28 dB/m 2150 MHz Cu / CCA Dca Cardboard reel. White PVC. Ø 1.13mm RG6	250
84179	CCF TRD	9 dB (694 MHz) 19 dB (2150 MHz), Ø10.2mm, Black, Dca. RG11	100/500*

*At cut, multiples of 100



CUC-640

CUC-540

CUC-544

Eca

84128	CCF 020 A	0.19 dB/m 860 MHz; 0.30 dB/m 2150 MHz CCS/Al Eca Cardboard reel. White PVC. Ø 1.02 mm RG6	100
84175	CCF 020 A	0.19 dB/m 860 MHz; 0.30 dB/m 2150 MHz CCS/Al Eca Wood reel. White PVC. Ø 1.02 mm RG6	500



CONNECTORS AND ACCESSORIES

CONNECTORS

3133	CCF-111	Compression F male connector for RG11 cables	25
1502	CAD	Angled IEC male connector for RG6 and RG59 cables	50
1503	CHD-950	Angled female IEC connector for RG6 and RG59 cables	50
84028	CNR MI	Shielded male IEC connector 9.5 mm	25
84029	CNR HI	Shielded IEC female connector 9.5 mm	25
84038	CNR MI S	Shielded-metallic male IEC connector 9.5 mm	10
84039	CNR HI S	IEC female connector shielded-metallic 9.5 mm	10
84012	CNR MF	Threaded male F connector for cable with external	50
84014	CNR F TRN	diameter 6.8 mm F male connector for CCF TRA cable	10
85095	CNR MFC	Compression F male connector for 6.8mm cable	100



CCF-111



CAD

CHD-950



CNR S

Ref.	Model	Description	Qty/Pack
OUTLETS			
2574	ARTU008	Bridged terminal for star installation, 1.5 dB (862 MHz)	10/100
2578	ARTU980	Final TV/SAT - TV/SAT, 4.5 dB (862MHz), 6 dB (2400MHz). With DC pass. With claws	10/100
2579	ARTU981	Intermediate TV/SAT-TV/SAT, 9 dB (862MHz), 10 dB (2400 MHz). With DC pass. With claws	10/100
2580	ARTU982	Intermediate TV/SAT - TV/SAT, 13 dB (862MHz), 14 dB (2400MHz). With DC pass. With claws	10/100
2575	ARTU983	Intermediate TV/SAT - TV/SAT, 20 dB (862MHz), 24 dB (2400MHz). With DC pass. With claws	10/100
86253	BSF 201 S DC	TV, R/SAT socket. Single. DC pass. Derivation -1 dB	20/180
86254	BSF 203 DC	TV, R/SAT socket base. Final. DC pass. Derivation -3 dB	20/180
86256	BSF 210 DC	TV, R/SAT socket. Intermediate. DC pass. Derivation -12 dB	20/180
86258	BSF 220 N	TV, R/SAT socket. Intermediate S -20 dB derivation	20/180
86259	BSF 215 N	TV, R/SAT socket. Intermediate S -15 dB derivation	20/180
86236	BSD 301 SB	Final socket base, 3 outputs (TV/FM/SAT) I wall bracket I cover 1 dB derivation	20/180
86274	BRF 11 S	Single TV/R Outlet Base (up to 1218 MHz, DOCSIS 3.0) 0.5 dB derivation	20/180
86275	BRF 01 S	Individual TV/R Socket Base 0.5 dB Derivation	20/180
86276	BRF 01 N	TV/R Socket Base Cascade End 3 dB Derivation	20/180
86277	BRF 05 N	Intermediate TV/R Socket Base 7 dB Derivation	20/180
85167	BID 01 N	Individual TV/Data Socket Base 0.5 dB Derivation	20/180
85168	BID 10 N	TV/Data Socket Base Final Cascade Derivation 3 dB	20/180
85020	SS BT	Surface support for cream-colored socket bases	15/150
85031	SS BT B	Surface support for white socket bases	15/150
85033	C BIF	Cream-colored TV-R cover for BIF/BRF socket bases	20
85034	C BIF B	TV-R cover for BIF/BRF socket bases, white	20
86230	C BSD	Cream-colored TV-R/SAT cover for BSD/BSF socket bases	20
86231	C BSD B	TV-R/SAT cover for BSD/BSF socket bases, white	20
2488	PBT-980	(TV+SAT - TV+SAT).For ref. bases. 2578 ; 2579 ; 2580 ; 2575	10
1460	ABT-210	Surface mount socket adaptable to any base, for PBT trim	50



ARTU980



BSF



BIF



BSD 301 SB



C BSD

ACCESSORIES

84016	ADF HH S	F adapter (female-female) 5-2300 MHz	10
85097	UCC 01	Useful for compression of F connectors	1
85053	ABF 012	UHF band amplifier G=12 dB NF = 3.5 dB F connectors	10
86246	TO 46	1st IF SAT line amplifier 950...23000 MHz G=18 dB F connectors	1
85007	AT 020	Adjustable attenuator 0-20 dB Constant impedance IEC connectors Shielded attenuator, adjustable from 0 to 20 dB,	10/100
85050	ATV 020	DC Pass, 5 - 2150 MHz F connectors	1
85041	FAT 010	Fixed attenuator 10 dB, DC block, 5-2400MHz F connectors	10
85042	FPA 470	High-pass filter 470 MHz F connectors	10
85028	MD 012 F	2-way mixer - distributor F connectors	10/100
85002	DB 012	2-way Mixer-Splitter, 1 female, 2 male IEC Connectors	10/100
85001	MB 021	2-way Mixer-Splitter, 2 female, 1 male IEC IEC connectors	10/100
85051	ICF 001	Shielded DC injector F connectors	10
84011	CX 75F	Coaxial load 75 Ohms F- male	10
85010	RC 075	Load resistance 75 Ohms. For bridge-flange connection.	50
85090	CXA 75F	Coaxial load 75 Ohms F anti-tamper	10
85091	UCA 01	Useful for tamper-evident load connections	1
85092	UUH 01	Useful for crimping RJ 45 male connectors quickly	1



ATV 020



FAT 010



CXA 75F



UCA 01

OPTIC FIBER

Ref.	Model	Description	Qty/Pack
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OPTICAL TRANSMITTERS AND RECEIVERS

4915	FTD-420	Optical transmitter 4 mW (6 dBm) (Terr 45-862 MHz ; Sat 950- 2150 MHz). (SC/APC)	1
4914	FRD-400	Optical receiver. (Terr 45-862 MHz) ; (Sat 950-2150 MHz). High output power. (SC/APC)	1
88501	ROT 310 C	Optical transmitter FTTH networks. TV-SAT; 1310; 10mW	1
88511	ROR 260 C	Optical receiver for FTTH networks TV-SAT	1



FTD-420



ROT 310 C ROR 260 C

OPTICAL SPLITTERS AND ATTENUATORS

4892	FAO-004	4 dB optical attenuator (SC/APC)	1
4893	FAO-006	6 dB optical attenuator (SC/APC)	1
10451	OSP 102 P	2-Output PLC Optical splitter -3.8 dB Insertion	1
10452	OSP 104 P	4-Output PLC Optical splitter -7 dB Insertion	1
10453	OSP 108 P	8-Output PLC Optical splitter -10 dB Insertion	1
10454	OSP 116 P	16-output PLC optical splitter -13.6 dB Insertion	1
10455	OSP 132 P	32-output PLC optical splitter -17 dB Insertion	1
88070	FOSR 108	8-output optical splitter in 19" rack format Insertion -3.8 dB (SC/APC)	1
88071	FOSR 116	16-output optical splitter in 19" rack format Insertion -13.6 dB (SC/APC)	1
88072	FOSR 132	32-output optical splitter in 19" rack format Insertion -17 dB (SC/APC)	1
88073	FOSR 164	64-output optical splitter in 19" rack format Insertion -20 dB (SC/APC)	1
88060	FOSP 108	8-way optical wall splitter Insertion -3.8 dB (SC/APC)	1
88061	FOSP 116	16-way wall optical splitter Insertion -13.6 dB (SC/APC)	1



OSP 116 P



FOSP 116 SC/APC



QUAD-GTU



QUATTRO-GTU



FAO-110

OPTICAL SYSTEMS FC TV+ 4 POL. SAT.

4952	QUAD-GTU	Sat+TDT optical receiver for 4 users (FC/PC)	1
4953	QUATTRO-GTU	Sat+TDT optical receiver 4 polarities (FC/PC)	1
4951	PSU-QUATTRO	20V power supply	1
4890	FSP-104	4-way FC/PC optical splitter	1
4891	FSP-108	8-Output FC/PC optical Splitter	1
4947	FAO-110	FC/PC 10dB optical Attenuator	1
4948	FAO-115	FC/PC 15dB optical Attenuator	1
4970	OTX1310 KIT	Optical transmitter 1310 8dBm Terrestrial + 4 polarities Satellite	1

Ref.	Model	Description	Qty/Pack
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ICT2 FIBER

8221	PAUF-002	Fiber optic box with fusion tray + 2x adapter SC/APC+ 2 pigtails of 1.5 m	1
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PAUF OPTIC FIBER CONNECTORIZED AT ONE END

208002	PAUF-110D	Optical PAU + pigtail 10 m SC/APC CPR Dca	1
208003	PAUF-115D	Optical PAU + pigtail 15 m SC/APC. CPR Dca	1
8004	PAUF-120D	Optical PAU + pigtail 20 m SC/APC. CPR Dca	1
8005	PAUF-125D	Optical PAU + pigtail 250 m SC/APC. CPR Dca	1
8006	PAUF-130D	Optical PAU + pigtail 30 m SC/APC. CPR Dca	1
8007	PAUF-140D	Optical PAU + pigtail 40 m SC/APC. CPR Dca	1
8008	PAUF-155D	Optical PAU + pigtail 55 m SC/APC. CPR Dca	1
8009	PAUF-170D	Optical PAU + pigtail 70 m SC/APC. CPR Dca	1



PAUF-002

PAUF OPTIC FIBER CONNECTORIZED AT BOTH ENDS

8011	PAUF-210D	Optical PAU + 10 m SC/APC patch cord. CPR Dca	1
8012	PAUF-215D	Optical PAU + 15 m SC/APC patch cord. CPR Dca	1
8013	PAUF-220D	Optical PAU + 20 m SC/APC patch cord. CPR Dca	1
8014	PAUF-225D	Optical PAU + 25 m SC/APC patch cord. CPR Dca	1
8015	PAUF-230D	Optical PAU + 30 m SC/APC patch cord. CPR Dca	1
8016	PAUF-240D	Optical PAU + 40 m SC/APC patch cord. CPR Dca	1
8017	PAUF-255D	Optical PAU + 55 m SC/APC patch cord. CPR Dca	1
8018	PAUF-270D	Optical PAU + 70 m SC/APC patch cord. CPR Dca	1



PAUF-1xxD



PAUF-2xxD

FIBER CABLES

8222	LFO-002	SC/APC-SC/APC Patch Cord. 1.9 mm Jacket, 2 m. SC/APC-	1
8073	LFO-010	SC/APC Patch Cord. 1.9 mm Jacket, 10 m.	1
8074	LFO-015	SC/APC-SC/APC patch cord. 1.9 mm jacket, 15 m.	1
8075	LFO-020	SC/APC-SC/APC patch cord. 1.9 mm jacket, 20 m.	1
8076	LFO-025	SC/APC-SC/APC Patch Cord. 1.9 mm Jacket, 25 m. SC/APC	1
8223	PTI-015	Pigtail, G657A2, 900 um, 1.5 m Length. LSZH-FR	1
8039	CFA-002D	2 Optic fiber cable SM G657A2 LSZH-FR interior. Ivory	250
8040	CFA-102D	Optic fiber cable Indoor/Outdoor 2-fiber SM G657A2 LSZH-FR-UV . Black	250
8041	CFA-202D	Optic fiber cable armored 2-fiber SM G657A2 LSZH-FR-UV indoor/outdoor. Black	250



LFO-025



Loose-fitting fiber hoses CPR DCA

208045	CFH-012D	12-fiber SM loose tube LSZH cable Indoor use. Black. CPR Dca	Consult
208046	CFH-024D	24-fiber SM 4t x 6 loose LSZH optical fiber cable Indoor use. Black. CPR Dca	Consult
208047	CFH-048D	48-fiber SM 6t x 8 loose optical fiber LSZH cable for indoor use. Black. CPR Dca	Consult
208200	FIBER CUT	Cutting the cable by meters	Consult



CFA-002D



CFA-202D

Ref.	Model	Description	Qty/Pack
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BOXES AND TRAYS

8239	RSE-006	Indoor fiber box with 12-fusion tray. 160x110x30 mm. ABS plastic	1
8295	RSE-121	Indoor fiber box with 12 fusion trays 126x200x50 mm. ABS+PC	1
208293	CTO-048	48-port SC/APC multi-operator box (Oper/Client Space) 450x180x150mm	1
42211	RG 048 N	Control cabinet - up to 48 connections -	1
42401	RSP 008	8-port wall-mounted secondary register / 16 fusions	1
42402	RSP 012	Secondary wall register 12 ports / 20 fusions	1
42403	RSP 024	Secondary wall register 24 ports / 46 fusions	1
8297	PFO-124	19" telescopic fiber tray with 24 SC/LCdx front. 2 trays x 12 fusions	1
8296	FFO-024	Front 24 duplex adapters for PFO-120 tray	1



RSE-006



CTO-048



FFO-024



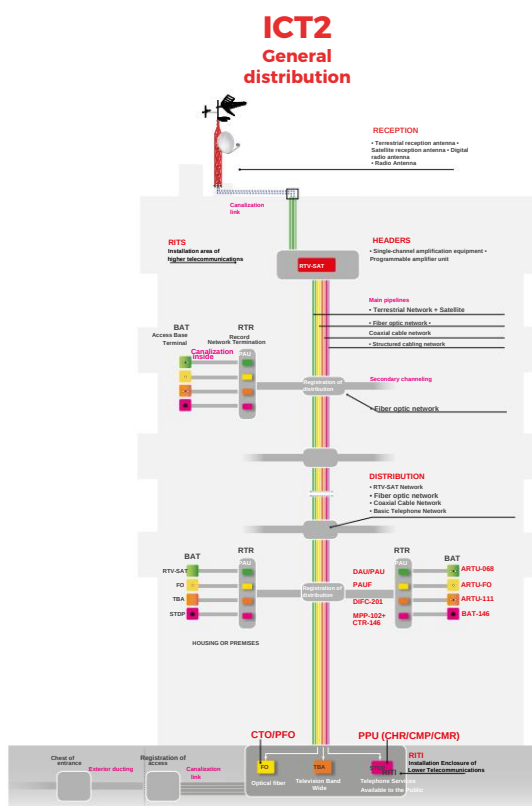
PFO-124



RSP 008

ACCESSORIES

8243	ADF-102	SC-SC APC SM adapter, with side fixings, simplex, green zirconia	25
8292	ADF-103	SC-SC APC SM adapter, without side fixings, simplex, green zirconia for CTO and RSP	25
8291	ADF-104	SC-SC APC SM adapter, with side fixings, duplex, green zirconia	20
8242	CMF-100	SC/APC universal mechanical connector for 0.9-2.3 mm cables or 3x2 mm flat cable	1
208271	ADF-001	5 pcs set of SC simplex, LC duplex keystone adapter	1
208290	TA-001	Screws for fixing adapters to ADF-102/104	50
42208	RG 008 N	Indoor network segregation box 8 output adapters (4 homes)	1
8280	PEM-045	Fusion splice protector 45 mm length	12



STRUCTURED CABLING

Ref.	Model	Description	Qty/Pack
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ICT STRUCTURED CABLING

2497	CT6A-CUD	CAT6A UTP LSZH cable with Cu conductor. White. CCA. Pull-box packaging.	305
2496	CT6-CUD	CAT6 UTP LSZH cable with Cu conductor. White. DCA. Pull-box packaging.	305
2492	CT6-CAD	CAT6 UTP LSZH cable with CCA conductor. White. DCA. Pull-box packaging.	305
8249	PPU-024	Empty 1U 19" rack panel with 24 Keystone ports and rear frame	1
8250	PPU-124	1U 19" rack panel integrated 24 RJ45 Cat6 UTP with rear frame	1
8299	CTR-146	Cat6 1-port data-telco socket with dust cover (includes keystone jack)	1
8253	CHR-045	RJ45 Cat6 UTP 90° Female Keystone Jack. Tool-less	1
8254	CMP-045	mounting. RJ45 Cat6 UTP 180° Female Keystone Jack. Tool-less mounting.	1
82551	MUX 108C	Passive multiplexer, 1 male, 8 female CAT 6	1
82557	CNU MH CAT6	RJ 45 male CAT 6 quick-mount connector	10



CT6A-CUD
CT6-CUD/CAD



PPU-124



CTR-146



CNU MH CAT6

8-PORT SWITCHES

8342	SW8-100	8-port 10/100 switch	1
8343	SW8-1000	8-port 10/100/1000 switch	1



SW8

Ref.	Model	Description	Qty/Pack
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ICT BASIC TELEPHONE NETWORK

82501	RGL 05	5-pair power strip	10
82502	RGL 10	10-pair strip	10
82505	SOP 05	Support 1 strip 5 pairs	10
82506	SOP 10	Support 1 strip 10 pairs	20
82507	SOP 100	Support 10 strips 10 pairs	2
82510	CTL 05	5-pair strip cover	10
82511	CTL 10	10-pair strip cover	10
82515	UTL PR	Useful professional	1
82516	CJC 01	Insertion Cutting pin	10
82541	CAB 01	LSFH Cable 1 pair	250
82542	CAB 02	LSFH Cable 2 pairs	250
82528	PAU TL	Access point with box, 2 lines 1 output per line	10
82529	PAU 6 TL	Access point with box, 1 line 6 outputs	10
82530	CJ 15 CJ	Indoor distribution box 15 pairs (with terminal block support)	1
82531	50 CJ	Indoor distribution box for 50 pairs (with terminal block support)	1
82532	100	Indoor distribution box for 100 pairs (with terminal block support)	1



RGL 05



PAU TL



CJ 15

ICT OPERATOR NETWORK

8272	CFH-100	Set of 5 pcs of FF female Keystone adapter + washers + FF splicer.	1
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CFH-100

MODULATORS

DIGITAL MODULATORS

3032	MOD-203	HDMI to COFDM digital modulator. Loop through HDMI	1
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MOD-203

ANALOG MODULATORS

3031	MAW-201	Muktistandard VHF/UHF analog TV modulator	1
86521	MOD 500 N	Muktistandard VHF/UHF analog TV modulator	1/30

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MAW-201

CABINETS AND RACKS

19" FRAMES

8225	BAS-002	19" wall-mounted rack frame, 2U	1/20
8226	BAS-004	19" wall-mounted rack frame, 4U	1/20

EVO

EVO



BAS

19" RACK CABINETS

60022	RAC 19" 6U	19" 6U Rack	1
60023	RAC 19" 9U	19" 9U Rack	1
60024	RAC 19" 12U	19" 12U Rack	1

ICT SECONDARY REGISTRATION

60001	RSI 441	Secondary ICT Registry 45 x 45 x 15 cm	1/20
60002	RSI 511	Secondary ICT Registry 55 x 100 x 15 cm	
60003	RSI 571	Secondary ICT Registry 50 x 70 x 15 cm	1/20



ARP

NETWORK TERMINATION RECORD

60041	RTR B 568	Network Termination Register with hinge 50x60x8 cm	
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Evolution



End of stock

Ref.	Model	P.
1296	SBA-101-C48	9
1304	SBA-103-C48	9
1308	SBA-190-C48	9
1328	JSBA-103-C48	9
1346	SZB-190	11
1460	ABT-210	22
1502	CAD	21
1503	CHD-950	21
1726	FM IKF-1E	6
1727	DAB-131	6
1816	HDTF-C48G	6
1824	HDTC-694V	6
1825	HDTN-694V	6
2092	SCS 2	20
2093	SCS 3	20
2094	SCS 4	20
2096	SCS 6	20
2098	SCS 8	20
2102	DAU-204	20
2103	DAU-307	20
2104	DAU-408	20
2105	DAU-510	20
2106	DAU-612	20
2107	DAU-813	20
2121	UDB-615	19
2122	UDB-620	19
2123	UDB-625	19
2124	UDB-815	19
2125	UDB-820	19
2220	BAS-915	11
2222	BAS-913	11
2250	SZB-214	11
2260	SZB+550	11
2272	PZL-017	11
2293	SZB-128	11
2488	PBT-980	22
2492	CT6-CAD	26
2496	CT6-CUD	26
2497	CT6A-CUD	26
2574	ARTU008	22
2575	ARTU983	22
2578	ARTU980	22
2579	ARTU981	22
2580	ARTU982	22
2780	CUC-640	21
2783	CUA-540	21
2785	CUA-544	21
2790	CUC-544	21
2791	CUC-540	21
2864	ONE+SAT	10
2865	ONE+	10
3031	MAW-201	27
3032	MOD-203	27
3060	RPA-120	7
3065	RPA-060	7
3067	RPA-080	7
3069	RPA-100	7

Ref.	Model	P.
3133	CCF-111	21
3160	SZB-168	11
3263	TAE1118	11
3372	DMS-300	20
3436	APB-112-M	9
3437	APB-224-M	9
3461	AFI-190	10
3500	SAE-912	11
3507	SAE-920	11
3535	NBS-701-C48	10
3536	NBS-704-C48	10
3537	NBS-795-C48	10
3564	NBS-804-C48	10
3573	NBS-801-C48	10
3576	NBS-895-C48	10
3584	ATP-200-C48	11
3590	ATP-190-C48	11
3593	ATP-290-C48	11
3863	HTI-424	13
3865	PSU-150	13
3866	BACK-500	13
3867	SR-HTI	13
3868	HTA-125	13
3870	UAH-001	13
4284	USB-300	13
4285	ADA-HTI	13
4308	FLOW-PSU	12
4311	FLOW-SEC	12
4312	FLOW-BASE	12
4313	FLOW-OUT	12
4314	FLOW-HUB	12
4316	FLOW-COVER	12
4317	FLOW-DEVICE-MGR	12
4319	FLOW-IN4	12
4320	REDUNDANT FLOW-RPSU	12
4321	FLOW-ENC+	12
4325	ENC-108	14
4328	FLOW-STB-AC3+ 4K	12
4330	FLOW WE1	12
4331	FLOW WE2	12
4332	FLOW WE3	12
4335	FLOW-DRM-SAMSUNG-LYNK-HUB	12
4336	FLOW-DRM-LG-PROIDIOM-SEC	12
4337	FLOW-DRM-PHILIPS-VSECURE-HUB	12
4338	FLOW-DRM-LG-PROIDIOM-HUB-MAN	12
4339	FLOW-DRM-LG-PROIDIOM-ENC	12
4340	FLOW-DRM-LG-PROIDIOM-HUB-SP	12
4404	COR-150	13
4890	FSP-104	23
4891	FSP-108	23
4892	FAO-004	23
4893	FAO-006	23
4914	FRD-400	23
4915	FTD-420	23

Ref.	Model	P.
4947	FAO-110	23
4948	FAO-115	23
4951	PSU-QUATTRO	23
4952	QUAD-GTU	23
4953	QUATTRO-GTU	23
4970	OTX1310 KIT	23
8004	PAUF-120D	24
8005	PAUF-125D	24
8006	PAUF-130D	24
8007	PAUF-140D	24
8008	PAUF-155D	24
8009	PAUF-170D	24
8011	PAUF-210D	24
8012	PAUF-215D	24
8013	PAUF-220D	24
8014	PAUF-225D	24
8015	PAUF-230D	24
8016	PAUF-240D	24
8017	PAUF-255D	24
8018	PAUF-270D	24
8039	CFA-002D	24
8040	CFA-102D	24
8041	CFA-202D	24
8073	LFO-010	24
8074	LFO-015	24
8075	LFO-020	24
8076	LFO-025	24
8201	DMT 8000	14
8221	PAUF-002	24
8222	LFO-002	24
8223	PTI-015	24
8225	BAS-002	27
8226	BAS-004	27
8239	RSE-006	25
8240	SIT 402	14
8241	SIT 422	14
8242	CMF-100	25
8243	ADF-102	25
8245	TIT 402	14
8249	PPU-024	26
8250	PPU-124	26
8253	CHR-045	26
8254	CMP-045	26
8272	SCT TWIN 8000	14
8272	CFH-100	27
8273	SCT-CI TWIN 8000	14
8275	STT TWIN 8000	14
8276	STT-CI TWIN 8000	14
8280	PEM-045	25
8289	STT-TWIN-MS 8000	14
8291	ADF-104	25
8292	ADF-103	25
8293	TTT-CI TWIN 8000	14
8295	RSE-121	25
8296	FFO-024	25
8297	PFO-124	25
8299	CTR-146	26

Ref.	Model	P.	Ref.	Model	P.	Ref.	Model	P.
8339	SWI024G	15	60003	RSI 571	27	83801	VNT 807	14
8341	SWI024G PoE	15	60022	RAC 19" 6U	27	83802	CAM 08	14
8342	SW8-100	26	60023	RAC 19" 9U	27	83803	CC 08	14
8343	SW8-1000	26	60024	RAC 19" 12U	27	83804	CAF 08	14
8441	CAST CONNECT 300 SRV	15	60041	RTR B 568	27	83805	BST 807	14
8456	CAST CONNECT PROTECT 1 YEAR	15	66109	FA 301 S	9	83806	CFR 807	14
8477	CAST CONNECT 60 SRV	15	66116	FA 242	9	83807	BA 807	14
8478	CAST CONNECT 2000 SRV	15	68000	SPS 8000	14	83810	BF 800	14
8490	SRV-CAST	15	68001	SPS 8000 LP	14	83811	USB 800	14
10034	Cast 4K FMS Dongle BUILT-IN	15	80026	ANF FMS	6	83812	USB 801	14
10400	ROT 506	15	82401	PNT 15	8	83813	CU 120	14
10403	ROT-510 S	15	82402	PNT 250	8	83814	PMD 800	14
10412	OYA 819	15	82403	TRT 25	8	83816	CC FR	14
10421	OLT 880	15	82405	BTR AT	8	83817	CP 08	14
10431	ONT 412 C	15	82406	BTRM EM	8	83818	VNT 800	14
10433	ONT 115	15	82407	BTR AB	8	84011	CX 75F	14
10434	ONT 425	15	82408	ANC VT	8	84011	CX 75F	22
10435	ONT 825 PoE	15	82409	ARG V40	8	84012	CNR MF	21
10451	OSP 102 P	23	82410	ARG V35	8	84014	CNR F TRN	21
10452	OSP 104 P	23	82411	CBL AC3	8	84016	ADF HH S	22
10453	OSP 108 P	23	82412	CBL AC3 KIT	8	84028	CNR MI	21
10454	OSP 116 P	23	82413	CBL A 25M 3mm	8	84029	CNR HI	21
10455	OSP 132 P	23	82414	MST 430	8	84033	CMD 3 RCA	14
35083	SHA 8000	14	82415	MST 315	8	84038	CNR MI S	21
35100	MAF 301	10	82416	MST 325	8	84039	CNR HI S	21
35105	MAF 401	10	82418	BTJ 340	8	84128	CCF 020 A	21
35115	MAF 311	10	82419	ACH 045	8	84172	CCF 021	21
35120	MAF 411	10	82421	GRM A20	8	84173	CCF 019	21
35150	WAF 210	11	82422	GRM U30	8	84174	CCF 019	21
35152	WAF 311	11	82423	GRM U50	8	84175	CCF 020 A	21
35154	WAF 422	11	82425	BRI D68	8	84177	CCF 021	21
35385	AM 221	10	82426	BRI S68	8	84178	CCF 019	21
35386	AM 321	10	82427	TNS 106	8	84179	CCF TRD	21
35387	AM 331	10	82428	CRP 001	8	84402	AURA LTE D2	6
35546	STELLAR 200	10	82429	APR 035	8	84405	DIGIT 25 LTE D2	6
35591	STELLAR 300	10	82434	GRP AT	8	84410	RHOMBUS A/P 48	6
36440	AD 620	11	82435	GRE AT	8	84411	RHOMBUS P 48	6
36441	AD 620 D2	11	82436	BPP 200	8	84412	RHOMBUS SU A/P 48	6
36442	AD 640	11	82501	RGL 05	27	84413	RHOMBUS SU P 48	6
36443	AD 640 D2	11	82502	RGL 10	27	84415	EVA 48	6
36540	AML PRO 100 D2	10	82505	SOP 05	27	85001	MB 021	22
36955	AML 910 L D2 K	9	82506	SOP 10	27	85002	DB 012	22
36956	AML 910 DC D2 K	9	82507	SOP 100	27	85007	AT 020	22
36958	AML 920 DC D2 K	9	82510	CTL 05	27	85010	RC 075	22
36959	AML 930 DC D2 K	9	82511	CTL 10	27	85013	PI DES	20
36961	AML 910 L D2	9	82515	UTL PR	27	85016	PI DES-DIS +/-	20
36962	AML 910 DC D2	9	82516	CJC 01	27	85020	SS BT	22
36964	AML 920 DC D2	9	82528	PAU TL	27	85028	MD 012 F	22
36965	AML 930 DC D2	9	82529	PAU 6 TL	27	85031	SS BT B	22
42208	RG 008 N	25	82530	CJ 15	27	85033	C BIF	22
42211	RG 048 N	25	82531	CJ 50	27	85034	C BIF B	22
42401	RSP 008	25	82532	CJ 100	27	85041	FAT 010	22
42402	RSP 012	25	82541	CAB 01 LSFH	27	85042	FPA 470	22
42403	RSP 024	25	82542	CAB 02 LSFH	27	85050	ATV 020	22
60001	RSI 441	27	82551	MUX 108C	26	85051	ICF 001	22
60002	RSI 511	27	82557	CNU MH CAT6	26	85053	ABF 012	22
			83800	BSR 807	14	85056	LBF 694	8

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85062	LBF-M 694	8
85090	CXA 75F	22
85091	UCA 01	22
85092	UUH 01	22
85095	CNR MFC	21
85097	UCC 01	22
85110	MCU-ETH 8000	14
85116	LPU 8000	14
85167	BID 01 N	22
85168	BID 10 N	22
85266	DER 110	19
85267	DER 115	19
85268	DER 120	19
85269	DER 125	19
85270	DER 210	19
85271	DER 215	19
85272	DER 220	19
85273	DER 225	19
85274	DER 410	19
85275	DER 415	19
85276	DER 420	19
85277	DER 425	19
85278	DER 615	19
85279	DER 620	19
85280	DER 625	19
85281	DER 815	19
85282	DER 820	19
85283	DER 825	19
85347	PAU 22 F	20
85349	PAU 23 F	20
85350	PAU 25 F	20
85351	PAU 24 F	20
85352	PAU 26 F	20
85353	PAU 28 F	20
85470	REP 204C	21
85471	REP 306 C	21
85472	REP 408 C	21
85474	REP 612 C	21
85480	DER 214 C	21
85481	DER 217 C	21
85482	DER 223 C	21
85483	DER 226 C	21
85485	DER 414 C	21
85486	DER 417 C	21
85487	DER 423 C	21
85488	DER 426 C	21
85500	DIF 204	20
85501	DIF 307	20
85502	DIF 409	20
85503	DIF 513	20
85504	DEF 107	19
85505	DEF 111	19
85506	DEF 116	19
85507	DEF 120	19
85508	DEF 211	19
85509	DEF 216	19
85510	DEF 220	19

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85511	DEF 225	19
85512	DEF 411	19
85513	DEF 416	19
85514	DEF 420	19
85515	DEF 425	19
86101	PPS 100	8
86102	PPS 806	8
86103	PML 32	8
86104	PPA 200	8
86106	SPU 40	8
86129	LNB 201	7
86131	LNB 204	7
86132	LNB 222	7
86134	LNB 244	7
86136	LNB 182 MB Twin	7
86137	LNB 184 MB Quad	7
86164	KIT PO 064	7
86230	C BSD	22
86231	C BSD B	22
86236	BSD 301 SB	22
86243	DXR 2D+	20
86244	DXR 216+	20
86246	TO 46	7
86246	TO 46	22
86253	BSF 201 S DC	22
86254	BSF 203 DC	22
86256	BSF 210 DC	22
86258	BSF 220 N	22
86259	BSF 215 N	22
86274	BRF 11 S	22
86275	BRF 01 S	22
86276	BRF 01 N	22
86277	BRF 05 N	22
86430	SPS 1825	18
86432	FMC 508	17
86433	FMC 512	17
86434	FMC 516	17
86436	FMC 908	17
86437	FMC 912	17
86438	FMC 916	17
86439	FMC 1708	17
86440	FMC 1712	17
86441	FMC 1716	17
86442	FAC 005	17
86443	FAC 009	17
86444	FAC 017	17
86445	FMC 524	17
86446	FMC 532	17
86447	FMC 924	17
86448	FMC 932	17
86449	FMC 1724	17
86450	FMC 1732	17
86451	FSP 005	18
86452	FTP 505	18
86453	FTP 510	18
86454	FSP 009	18
86455	FTP 909	18

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86456	FTP 918	18
86457	FSP 017	18
86458	FTP 1717	18
86459	FTP 1734	18
86460	FMF 508	16
86461	FMF 512	16
86462	FMF 516	16
86463	FMF 524	16
86464	FMF 532	16
86465	FMF 908	16
86466	FMF 912	16
86467	FMF 916	16
86468	FMF 924	16
86469	FMF 932	16
86470	FMF 1708	17
86471	FMF 1712	17
86472	FMF 1716	17
86473	FMF 1724	17
86474	FMF 1732	17
86521	MOD 500 N	27
86599	UCM 100	18
86620	FMC 1308	17
86621	FMC 1312	17
86622	FMC 1316	17
86623	FMC 1324	17
86624	FMC 1332	17
86625	FMF 1308	16
86626	FMF 1312	16
86627	FMF 1316	16
86628	FMF 1324	16
86629	FMF 1332	16
86630	FAC 013	17
88060	FOSP 108	23
88061	FOSP 116	23
88070	FOSR 108	23
88071	FOSR 116	23
88072	FOSR 132	23
88073	FOSR 164	23
88501	ROT 310 C	23
88511	ROR 260 C	23
208002	PAUF-110D	24
208003	PAUF-115D	24
208045	CFH-012D	24
208046	CFH-024D	24
208047	CFH-048D	24
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208271	ADF-001	25
208290	TA-001	25
208293	CTO-048	25

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ABF 012	85053	22
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AD 620	36440	11
AD 620 D2	36441	11
AD 640	36442	11
AD 640 D2	36443	11
ADA-HTI	4285	13
ADF HH S	84016	22
ADF-001	208271	25
ADF-102	8243	25
ADF-103	8292	25
ADF-104	8291	25
AFI-190	3461	10
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AM 331	35387	10
AML 910 DC D2	36962	9
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ANC VT	82408	8
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BAS-002	8225	27
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ICF 001	85051	22
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LBF 694	85056	8
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ONT 115	10433	15
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RSI 571	60003	27
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WAF 311	35152	11
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