

Leaders in the Satellite and Communication industry.

www.eurostargroup.com



Digital connect

RECEIVERS

SATELLITE HOME GATEWAY



- ES 9450**
- High performance SoC at 600+ DMPS
 - Quad DVB-S2/S tuners (DVB-T2/T or DVB-C possible on request)
 - 512MB DDR3 RAM and 256MB NAND Flash extendable up to 512MB
 - 4MB NOR Flash
 - For PVR and TSX functions the unit is integrated with 2*5 e-SATA HDD (320GB up to 1TB) optional
 - The device comes with three Ethernet 10/100 Base T auto MDIX connectors.
 - The STB is a DVB-C+ and compatible with several CA and DRM systems
 - Advanced graphical UI interface
 - Multiscreen live distribution
 - Regulatory approvals and Compliance - FCC part 15 class B, CE, UL, CB or LVD, ROHS
 - 2 USB connectors for external HDD or USB interface.

4K UHD DVBS2 STB



- 4K UHD**
- Support DVB-S/S2 standard
 - Full brand Capture Satellite multi-demodulator that combines two 2350MHz
 - 16 channels input (Tuner)
 - Programmable ACI channel filter
 - Dual-core ARMv7-A B15 Apps CPU
 - Single HEVC H.265
 - Resolution: 2160p60/2160p30/1080p/1080i/720p
 - Better Chrominance for more color and picture accuracy
 - Support one HDMI 2.0 input & one HDMI 2.0 output
 - Single PCIe1

HYBRID RECEIVER



- ES9900A**
- Fully MPEG 4, DVB-S2, H.264 Compliant
 - Android System: 4.2
 - CPU: Dual Core
 - 1GB RAM
 - 4GB Internal Storage
 - XBMC media Player
 - LNB control: DISEqC 1.2, 1.1, 1.0 and USALS
 - Single Card Reader
 - Supports of Ku/C band, SCPC and MCPC
 - Video output – CVBS, HDMI
 - 8000 Programmable channel storing
 - In-Built Wi-Fi Support
 - 63 Preprogrammed satellites
 - Dolby AC-3 Digital Audio Bit stream out through S/PDIF
 - 4USB, SD Card Reader
 - Instant & Scheduled recording

MPEG 4 HD FTA



- ES10**
- Fully MPEG-2 / MPEG-4 H.264 compliant
 - LNB control: DISEqC 1.2, 1.1, 1.0 and USALS
 - Video Display Resolution 480p/576p/720p/1080i
 - HDMI 1.2 with HDCP 1.1
 - Audio/Video connections-HDMI, CVBS
 - USB2.0 Host for viewing JPEG, play video, MP3 and recording
 - 8 favorite channel groups
 - Variable Aspect Ratio (4:3, 16:9)
 - Wi-Fi & 3G dongle support
 - You Tube, Google Maps, RSS Reader and Weather Forecast.
 - USB for Multimedia Player, PVR
 - 6000 TV & Radio Channel memory
 - Games Supported



- EB9700GOLD+HD NEW**
- MPEG 4 - (MP@ML), fully DVB S2 compliant
 - SCPC/MCPC receivable for C/Ku band satellites
 - Supports DISEqC 1.0, 1.2 and USALS
 - USB2.0 Host for viewing JPEG, play video, MP3 and recording
 - Time shift Recording
 - Supports MP3, JPEG/Image Files
 - Easy and fast software upgrade through USB port
 - Auto Satellite Detection & search
 - 4000 Programmable channel storing
 - Signal Bar in front panel
 - 7 days Electronic Program Guide (EPG)



- E1HD**
- Fully MPEG-2 / MPEG-4 H.264 compliant
 - LNB control: DISEqC 1.2, 1.1, 1.0 and USALS
 - Video Display Resolution 480p/576p/720p/1080i
 - HDMI 1.2 with HDCP 1.1
 - Audio/Video connections-HDMI, CVBS
 - USB2.0 Host for viewing JPEG, play video, MP3 and recording
 - 8 favorite channel groups
 - Variable Aspect Ratio (4:3, 16:9)
 - Wi-Fi & 3G dongle support
 - You Tube, Google Maps, RSS Reader and Weather Forecast.
 - USB for Multimedia Player, PVR
 - 6000 TV & Radio Channel memory
 - Games Supported

MPEG 4 HD CARD READER



- ES999**
- Fully MPEG 4, DVB-S2, H.264 Compliant
 - LNB control: DISEqC 1.2, 1.1, 1.0 and USALS
 - Wi-Fi & 3G dongle support
 - You tube, Weather forecast & RSS reader.
 - USB2.0 Host for viewing JPEG, play video, MP3 and recording
 - Conversion between SD programs and HD programs
 - More than 5000 channels memory space
 - 8 Favorite channel groups
 - 7 days Electronic Program Guide (EPG)
 - Channel Search automatic and manual
 - Teletext output with both VBI and OSD
 - Aspect Ratio 4:3 and 16:9
 - Signal Lever & quality indicator
 - Easy and fast software upgrade through USB port



- ES9200+**
- Fully MPEG 4, DVB-S2, H.264 Compliant
 - 56 Preprogrammed & user editable Satellites.
 - Two Card Reader (1 CA+ 1 CI)
 - VFD panels for display.
 - Variable input symbol rate 2 ~ 45 MSPS
 - Auto satellite program function with scanning option
 - PLL synthesized RF modulator 21~69
 - NTSC/PAL & SECAM Output function
 - OSD with transparency level & banner out-time setting
 - EPG for On Screen Channel Information (7 DAYS)
 - Parental Control, channel lock, installation lock
 - Sixteen(16) Favorite List
 - Multi-track audio selection
 - Variable aspect ratio 4:3 / 16:9
 - Video Zoom & Video Pause
 - Various Channel editing function (Favorite, Moving Locking, renaming, deleting & sorting)
 - Program search option Auto, Manual Advanced, Network



- EB9700GOLD++HD**
- Fully MPEG-2 / MPEG-4 / H.264 compliant
 - LNB control: DISEqC 1.2, 1.1, 1.0 and USALS
 - DVB-S2 satellite Tuner and Loop through
 - Single card Reader
 - Video Display Resolution 480p/576p/720p/1080i
 - More than 10,000 channels memory
 - Audio/Video connections-HDMI, YPBPr, CVBS
 - USB2.0 Host for viewing JPEG, play video, MP3 and recording
 - 16 favorite groups
 - Variable Aspect Ratio (4:3, 16:9)
 - Wi-Fi Support
 - You Tube, Web Radio, RSS Reader and Weather Forecast.
 - Games: Othello, Sudoku and Tetris



- ES2024**
- Fully MPEG 4, DVB-S2, H.264 Compliant
 - LNB control: DISEqC 1.2, 1.1, 1.0 and USALS
 - Wi-Fi & 3G dongle support
 - You tube, Weather forecast & RSS reader.
 - Single card Reader
 - USB2.0 Host for viewing JPEG, play video, MP3 and recording
 - Conversion between SD programs and HD programs
 - More than 5000 channels memory space
 - 8 Favorite channel groups
 - 7 days Electronic Program Guide (EPG)
 - Channel Search automatic and manual
 - Teletext output with both VBI and OSD
 - Aspect Ratio 4:3 and 16:9
 - Signal Lever & quality indicator
 - Dolby Digital support
 - Easy and fast software upgrade through USB port
 - Channel and Program editor



- EB9800++HD**
- Fully MPEG-2 / MPEG-4 / H.264 compliant
 - LNB control: DISEqC 1.2, 1.1, 1.0 and USALS
 - DVB-S2 satellite Tuner and Loop through
 - Single card Reader
 - Video Display Resolution 480p/576p/720p/1080i
 - HDMI 1.2 with HDCP 1.1
 - Audio/Video connections-HDMI, YPBPr, CVBS
 - USB2.0 Host for viewing JPEG, play video, MP3 and recording
 - 16 favorite groups
 - Variable Aspect Ratio (4:3, 16:9)
 - Wi-Fi Support
 - You Tube, Web Radio, RSS Reader and Weather Forecast.
 - Games: Othello, Sudoku and Tetris



- HD 555**
- DVB-S - MPEG 4 / DVB-S2 H.264/MPEG 4 AVC Compliant
 - IRDETO CA Embedded Digital Satellite
 - DISEqC 1.2, 1.1, 1.0 and USALS Compatible
 - High Definition Receiver
 - Advanced Secure Chipset
 - 1 Conditional Access + 1 Common Interface Slot
 - 4:3, 16:9 and Letter Box aspect ratio supported
 - Resolution: 1080i, 720p, 480p/576p, 480i/576i
 - Dolby AC-3: Digital Audio Bit stream out through S/PDIF
 - SCPC & MCPC Receivable from C/Ku - Band
 - HDMI (V. 1.3a) with HDCP (High bandwidth Digital Content Protection)

MPEG 2 FTA



- ES9500**
- Fully MPEG 2, DVB Compliant
 - Output: RCA (Video, Audio L/R), RF Modulator
 - Supports of Ku/C band, SCPC and MCPC
 - Supports DISEqC 1.0 & 1.2
 - 2500 channel memory
 - 6 Favorites
 - FTA / S, A-Z, Z-A Sorting
 - Auto satellite Scan / Blind Scan
 - PLL synthesized RF modulator
 - Multi Picture Preview



- ES9300GOLD+**
- Fully MPEG 2, DVB Compliant
 - Output: RCA (Video, Audio L/R), RF Modulator
 - Supports of Ku/C band, SCPC and MCPC
 - Supports DISEqC 1.0 & 1.2
 - 2500 channel memory
 - 6 Favorites
 - FTA / S, A-Z, Z-A Sorting
 - Auto satellite Scan / Blind Scan
 - PLL synthesized RF modulator
 - Multi Picture Preview



- ES9600**
- Fully MPEG 2, DVB Compliant
 - Output: RCA (Video, Audio L/R), RF Modulator
 - Supports of Ku/C band, SCPC and MCPC
 - Supports DISEqC 1.0 & 1.2
 - 2500 channel memory
 - 6 Favorites
 - FTA / S, A-Z, Z-A Sorting
 - Auto satellite Scan / Blind Scan
 - PLL synthesized RF modulator

DVB - T2, MPEG 4 HD FTA



- EB9700GOLD+**
- Fully compatible with MPEG2 and DVB
 - Supports DISEqC 1.2 and USALS
 - Support SCPC and MCPC from C/Ku - band
 - Programmable 3000 TV + 1000 Radio channel
 - 56 Pre programmed and user editable satellite list
 - Stand by and signal strength display on the front panel
 - Easy to use multi language OSD menu including ARABIC
 - Auto reception of PAL/NTSC/SECAM
 - Multi channel display mode 9 frame screen
 - 16 editable Favorite list
 - Automatic satellite search.
 - 7 days detailed EPG



- ES9900**
- Fully MPEG 2, DVB Compliant
 - Output: RCA (Video, Audio L/R), RF Modulator
 - Supports of Ku/C band, SCPC and MCPC
 - Supports DISEqC 1.0 & 1.2
 - 2500 channel memory
 - 6 Favorites
 - FTA / S, A-Z, Z-A Sorting
 - Support PVR function via USB & multimedia playback & time-shift function
 - USB Media supports
 - Support Dolby Digital +
 - PLL synthesized RF modulator
 - Multi Picture Preview



- 4K UHD**
- Support DVB-T/T2 standard
 - DVB-T: ETSI EN 300 744 Nording 2.2.1, D-Book 6.1
 - DVB-T2: ETSI EN 302 755 Nording 2.2.1, D-Book 6.1
 - Input range from 36MHz-1002MHz
 - Dual-core ARMv7-A B15 Apps CPU
 - Single HEVC H.265
 - Reduce Video bandwidth without affecting quality
 - Resolution : 2160p60/2160p30/1080p/1080i/720p
 - Better Chrominance for more color and picture accuracy
 - Support one HDMI 2.0 input & one HDMI 2.0 output
 - Single PCIe1

COMBO



- COMBO**
- 1080p FULL HD DVB S2&T2
 - Support WEB TV server.
 - Support USB Wifi, Youtube, Weather forecast, Google map, 3G
 - Fully DVB-S/S2 / DVB-T MPEG2/H.264 Compliant
 - Free-To Air
 - High Speed USB2.0 Connection
 - Dolby Digital Bit-Stream out via Coaxial S/PDIF & HDMI
 - Channel Recording to External Storage Devices
 - Multimedia Playback Support (MKV, AVI, MPG, MP4, MOV etc...)
 - Subtitle support
 - Compact Design
 - Software Upgrade support by USB
 - Electronic Program Guide (EPG)
 - User Friendly Multi-Language On-Screen Display



- ET-514**
- Fully MPEG 4 HD, DVB-T2 Compliant
 - CVBS output with supporting PAL and NTSC
 - Output: HDMI(1.3, with HDCP), RCA (Video, Audio L/R)
 - Capacity for storing up to 1000 channels
 - Receiving Frequency Range: VHF:174-230 MHz & UHF :470-862MHz
 - IF Bandwidth: 6/7/8MHz
 - Support PVR function via USB & multimedia playback & time-shift function
 - USB Media supports
 - Support Dolby Digital +
 - Favorite channel edit & parental lock function
 - Support Teletext/subtitle/audio language selection
 - 4 Digit 7 Segment display
 - Fully support 7-day of (EPG)



- ET-602**
- Fully MPEG 4 HD, DVB-T2 Compliant
 - CVBS output with supporting PAL and NTSC
 - Output: HDMI(1.3, with HDCP), RCA (Video, Audio L/R)
 - Capacity for storing up to 1000 channels
 - Receiving Frequency Range: VHF:174-230 MHz & UHF :470-862MHz
 - IF Bandwidth: 6/7/8MHz
 - Support PVR function via USB & multimedia playback & time-shift function
 - USB Media supports
 - Support Dolby Digital +
 - Favorite channel edit & parental lock function
 - Support Teletext/subtitle/audio language selection
 - 4 Digit 7 Segment display
 - Fully support 7-day of (EPG)



- MINI RF REMOTE**
- ES-RF24M**
- Air mouse - Android control
 - Wireless RF(2.4GHz)
 - Motion sensing
 - Touch Wheel
 - MIC & Speaker
 - 2xAAA Battery
 - Supports Android 3D Games

* Products & Specifications of all items mentioned in this catalogue are subject to change without prior notice.
* Product Pictures in this catalogue are only for illustrative purpose.

MOCA ADAPTER

ES – 205, MoCA 2.0 ECB



- MoCA/WLAN/Ethernet Bridge
- Support VLAN Tagged And Untagged.
- Using Existing Coaxial Cable For Network Connectivity
- High-Speed Network for Streaming HD Video
- DVR/PVR Network Bridge for Sharing contents

ES – 206, MoCA 2.0 WEBC



- MoCA/WLAN/Ethernet Bridge
- Support VLAN Tagged And Untagged.
- Support 11ac Wi-Fi
- Using Existing Coaxial Cable For Network Connectivity
- High-Speed Network for Streaming HD Video
- DVR/PVR Network Bridge for Sharing contents

ES – UD2584, MoCA 1.1 ECB



- ANSI/SCTE 02 F-female plug x 2
- Impedance: 75 Ω
- Connector: RJ-45
- Configuration: 10/100Mbps Ethernet x 1
- Micro-B USB receptacle
- 1150-1500 MHz
- Edge-to-Edge Frequency 1125 - 1525 MHz
- Max Transmit Power: 2±1dBm
- Network Channels: MoCa 1.1/1.0 Channels: 8
- Network Channels Bandwidth: MoCa 1.1/1.0 channel bandwidth: 50 MHz
- Network Size Maximum 16 MoCa 1.0/1.1 devices
- Max Physical Data Rate MoCA 1.1: Meets 225Mbps with 50dB attenuation
- MoCA Standards 1.1/1.0
- power consumption: under 2.75 watts

HEADEND SYSTEM

- System**
- Network Streamer with Transcoder
 - 3000 DMIPS dual-thread processor
 - Flash Memory: 2MB SPM NOR Flash + 128MB NAND Flash
 - RAM DDRIII- 800: 1GB
 - 10/100/1000 Mbps Ethernet
- Video Stream Format**
- SD: PAL/NTSC
 - HD: 1280 x 720p, 1920 x 1080i 50/60
 - MPEG-2, MPEG-4 AVC, AVC/H.264
- Audio Stream Format**
- MPEG-1 Audio Layer III
 - MPEG-2 AAC
 - HE-AAC

- Video / Audio Decoder :**
- H.264 / AVC Main and High profile to level 4.2, 1080p 60fps
 - MPEG-2 Main Profile @ Low Level, Main Level and High Level
 - MPEG-4 Part 2 Simple Profile and Advanced Simple Profile
 - MPEG-1 Layer 1, 2, 3 MP3 (Optional)
- Video / Audio Encoder (Stream out) :**
- H.264/AVC Baseline profile to level 3.1, 1080p/i, 720p, 576i, 480p/i
 - AAC with ADTS (Audio Data Transport Format) sync (Optional)
- Browser-base Web Management Interface:**
- Network Setting
 - Multicast Setting
 - System Setting
 - Software Update



- X-FINDER**
- Satellite, Terrestrial (T & T2) & Cable Signal Measurement
 - One Conax Embedded Card Reader
 - One Common Interface Slot
 - Blind Scanning
 - Satellite Spectrum Analyzer
 - Satellite Dish Angle Calculator
 - Full Feature Portable HD Set-Top Box
 - Internal 2Gb Storage
 - Full HD Digital Video Output through HDMI
 - Multimedia Playback (AVI,MP3, MP4, etc...)
 - 5.SAH Battery with Life Up to 6 Hours
 - Remote Control & Car Charger included
 - Easy Software Upgrades through USB & Internet



DISH ANTENNA



- 165CM 6PANELS**
- Panel Width (cm)= 165
 - Panel Length (cm)= 165
 - Thickness(mm)=0.60
 - C-band Gain @4MHz=35.13dB
 - Ku band @ 12.5GHz=44.78dB
 - Elevation Range =0-90
 - Azimuth =0-360
 - F/D Ratio= 0.38
 - Relative Humidity=0-100%
 - Aperture Efficiency=70%
 - Gross Weight=19.35kg



- 65CM OFFSET ANTENNA (BULK)**
- Panel Width (cm)= 61
 - Panel Length (cm)= 66
 - Thickness(mm)=0.62
 - Gain @ 12.5 GHz =36.67 dB
 - Elevation Range A=10-80
 - Elevation Range B =23-90
 - Azimuth =0-360
 - F/D Ratio= 0.65
 - Acceptable Pole Minimum =32mm
 - Aperture Efficiency=75%
 - Gross Weight=3.95 kg



- EUROSTAR 65cm**
- 65 cm
 - Panel Width (cm)= 61
 - Panel Length (cm)= 66
 - Thickness(mm)=0.66
 - Gain @ 12.5 GHz =36.67 dB
 - Elevation Range A=10-80
 - Elevation Range B =23-90
 - Azimuth =0-360
 - F/D Ratio= 0.65
 - Acceptable Pole Minimum (mm) =32
 - Aperture Efficiency=75%
 - Gross Weight=4.0 kg



- EUROSTAR 100cm**
- 100 cm
 - Panel Width (cm)= 94.5
 - Thickness(mm)=0.90
 - Gain @ 12.5 GHz =40.32 dB
 - Elevation Range A=25-77
 - Elevation Range B =17-90
 - Azimuth =0-360
 - F/D Ratio= 0.60
 - Acceptable Pole Minimum (mm) =32
 - Aperture Efficiency=75%
 - Gross Weight=7.50 kg



- EUROSTAR 130cm**
- 130 cm
 - Panel Width (cm)= 120
 - Panel Length (cm)= 132
 - Thickness(mm)=1.0
 - Gain @ 12.5 GHz =43.32 dB
 - Elevation Range A=25-77
 - Elevation Range B =17-90
 - Azimuth =0-360
 - F/D Ratio= 0.60
 - Acceptable Pole Minimum (mm) =45
 - Aperture Efficiency=75%
 - Gross Weight=12.90 kg



- EUROSTAR 165cm**
- 165cm Offset
 - Panel Width (cm)= 150
 - Panel Length (cm)= 165
 - Thickness(mm)=1.15
 - Gain @ 12.5 GHz =44.26 dB
 - Elevation Range =17-90
 - Azimuth =0-360
 - F/D Ratio= 0.60
 - Acceptable Pole Minimum (mm) =45
 - Aperture Efficiency=75%
 - Gross Weight=28.85 kg



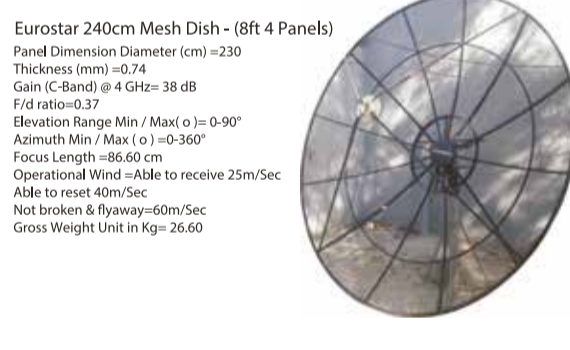
- EUROSTAR 180cm**
- 180cm Prime focus dish
 - Panel Width (cm)= 181
 - Panel Length (cm)= 181
 - Thickness(mm)=0.65
 - C-band Gain @4MHz=35.89dB
 - Ku band @ 12.5GHz=45.54dB
 - Elevation Range =0-90
 - Azimuth =0-360
 - F/D Ratio= 0.38
 - Relative Humidity=0%-100%
 - Aperture Efficiency=70%
 - Gross Weight=22.60 kg



- EUROSTAR 240cm**
- 240cm Prime focus dish
 - Panel Width (cm)= 240.2
 - Panel Length (cm)= 240.2
 - Thickness(mm)=0.94
 - C-band Gain @4MHz=38.39dB
 - Ku band @ 12.5GHz=48.04dB
 - Elevation Range =0-90
 - Azimuth =0-360
 - F/D Ratio= 0.38
 - Relative Humidity=0%-100%
 - Aperture Efficiency=70%
 - Gross Weight=55 kg



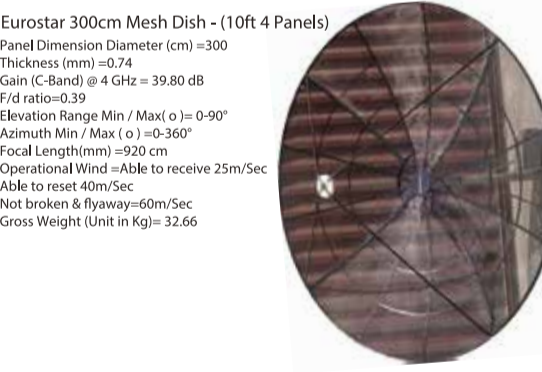
- EUROSTAR 6 feet, single panel (180 cm)**
- Panel Dimension:180cm
 - Thickness:1.01
 - C-band Gain @4MHz:36.36dB
 - Ku band @ 12.5GHz:46.76dB
 - Elevation range (°):25-65/0-90
 - Azimuth:0-360
 - F/D Ratio:0.37
 - Aperture efficiency:75%
 - Ambient temperature:-40°C ~ +60°C
 - Relative Humidity:0-100%
 - Gross Weight:26.95Kg



- Eurostar 240cm Mesh Dish - (8ft 4 Panels)**
- Panel Dimension Diameter (cm)=230
 - Thickness (mm) =0.74
 - Gain (C-Band) @ 4 GHz = 38 dB
 - F/d ratio=0.37
 - Elevation Range Min / Max (o) = 0-90°
 - Azimuth Min / Max (o) = 0-360°
 - Focus Length =86.60 cm
 - Operational Wind =Able to receive 25m/Sec
 - Able to reset 40m/Sec
 - Not broken & flyaway=60m/Sec
 - Gross Weight Unit in Kg= 26.60



- EUROSTAR 420 cm**
- Panel Dimension Diameter (cm)420
 - Gain @ 12.50GHz:53.01dB
 - Focus Length (in mm) 1470
 - Elevation RangeMin / Max (o) 15 ~ 90
 - Azimuth Min / Max (o) 0 ~ 360
 - F/D Ratio 0.35
 - Relative HumidityMin / Max (%) 0 ~ 100
 - Net Weight Unit in Kg 366.0



- Eurostar 300cm Mesh Dish - (10ft 4 Panels)**
- Panel Dimension Diameter (cm)=300
 - Thickness (mm) =0.74
 - Gain (C-Band) @ 4 GHz = 39.80 dB
 - F/d ratio=0.37
 - Elevation Range Min / Max (o) = 0-90°
 - Azimuth Min / Max (o) = 0-360°
 - Focal Length(mm) =920 cm
 - Operational Wind =Able to receive 25m/Sec
 - Able to reset 40m/Sec
 - Not broken & flyaway=60m/Sec
 - Gross Weight (Unit in Kg)= 32.66



- EUROSTAR 65cm**
- Panel Width (cm)= 61
 - Panel Length (cm)= 66
 - Thickness(mm)=0.66
 - Gain @ 12.5 GHz =36.67 dB
 - Elevation Range A=10-80
 - Elevation Range B =23-90
 - Azimuth =0-360
 - F/D Ratio= 0.65
 - Acceptable Pole Minimum (mm) =32
 - Aperture Efficiency=75%
 - Gross Weight=3.40 kg



- EUROSTAR 90cm**
- 90 cm
 - Panel Width (cm)= 82.5
 - Panel Length (cm)= 91
 - Thickness(mm)=0.74
 - Gain @ 12.5 GHz =39.16 dB
 - Elevation Range A=10-80
 - Elevation Range B =23-90
 - Azimuth =0-360
 - F/D Ratio= 0.60
 - Acceptable Pole Minimum (mm) =32
 - Aperture Efficiency=75%
 - Gross Weight=6.50 kg

LNB



- P8 GOLD+ (I14)**
- Extra high quality digital reception
 - Universal Ku band
 - RF input Frequency: 10.70 ~ 12.75 GHz
 - RF Output Frequency: 950 ~ 2150MHz
 - Oscillator Frequency : 9.75 / 10.6 GHz
 - Low noise figure ~ 0.5dB
 - Band Switching:0/22KHz



- S2015**
- Extra high quality digital reception
 - Universal Ku band
 - RF input Frequency: 10.70 ~ 12.75 GHz
 - RF Output Frequency: 950 ~ 2150MHz
 - Oscillator Frequency : 9.75 / 10.6 GHz
 - Low noise figure ~ 0.2dB
 - Band Switching:0/22KHz



- T2015**
- Universal Ku Twin LNB
 - RF input Frequency: 10.70 ~ 12.75 GHz
 - RF Output: 950 ~ 2150MHz
 - Oscillator Frequency : 9.75 / 10.6GHz,
 - Low Noise figure - 0.2dB
 - Operating voltage: 13/18V
 - HD Signal compatible
 - Low Phase Noise
 - High conversion gain
 - High Cross Polar isolation
 - High stability local oscillator



- QD2015**
- Quad Universal LNB
 - Wide Ku band coverage
 - High LO stability
 - High Cross polar isolation
 - RF input :10.7 ~ 12.75 GHz
 - IF Output :950 ~ 2150 MHz
 - Oscillator Frequency : 9.75 / 10.60 GHz
 - Low Noise figure : 0.2dB
 - Operating voltage : 13/18V



- ESPF-2300**
- Prime Focus Feedhorn LNB
 - Wide Ku band coverage
 - High LO stability
 - High Cross polar isolation
 - RF input :10.7 ~ 12.75 GHz
 - IF Output :950 ~ 2150 MHz
 - Oscillator Frequency : 9.75 / 10.60 GHz
 - Low Noise figure : 0.3dB
 - Operating voltage : 13/18V



- P8 Gold+**
- Extra high quality digital reception
 - Universal Ku band
 - RF input Frequency: 10.70GHz to 12.75GHz
 - IF Output Frequency: 950 ~ 2150MHz
 - Oscillator Frequency : 9.75 / 10.6 GHz
 - Low noise figure - 0.5dB
 - Band Switching:0/22KHz



P8 NEW HD
Extra high quality digital reception
Universal Ku band
RF Input Frequency: 10.70GHz to 12.75GHz
IF Output Frequency: 950 ~ 2150MHz
Oscillator Frequency: 9.75 / 10.6 GHz
Low noise figure - 0.5dB
Band Switching: 0/22KHz



P8 GOLD,
Extra high quality digital reception
Universal Ku band
RF Input Frequency: 10.70GHz to 12.75GHz
IF Output Frequency: 950 ~ 2150MHz
Oscillator Frequency: 9.75 / 10.6 GHz
Low noise figure - 0.5dB
Band Switching: 0/22KHz



P8++ HD
Extra high Gain Low noise 40mm LNB
RF Input Frequency: 10.70GHz to 12.75GHz
IF Output Frequency: 950 ~ 2150MHz
Oscillator Frequency: 9.75 / 10.6 GHz
Low noise figure - 0.3dB
Band Switching: 0/22KHz

Quad LNB



T2 SLIM+HD
Universal Ku Twin LNB
RF Input Frequency: 10.70GHz to 12.75GHz
IF Output: 950 ~ 2150MHz
Oscillator Frequency: 9.75 / 10.60GHz,
Low Noise figure - @ 0.5dB (Typ)
Operating voltage: 13V/18V
HD Signal compatible
Low phase noise
High conversion gain
High Cross polar isolation
High stability local oscillator



T2 GOLD
Universal Ku Twin LNB
RF Input Frequency: 10.70GHz to 12.75GHz
IF Output: 950 ~ 2150MHz
Oscillator Frequency: 9.75 / 10.60GHz,
Low Noise figure - @ 0.5dB (Typ)
Operating voltage: 13V/18V
HD Signal compatible
Low Phase Noise
High conversion gain
High Cross Polar isolation
High stability local oscillator



ES QP 4 HD
• Universal QUAD LNB
• Low phase noise
• With rain cover
• High LO stability
• High Cross polar isolation
• RF Input: 10.70 ~ 12.75GHz
• IF Output: 950 ~ 2150 MHz
• Oscillator Frequency: 9.75/10.60 GHz
• Low Noise: @ 0.5dB (Type)
• Operating voltage: 13V/18V

OCTO LNB



QP4 GOLD
• Quad Universal LNB
• Wide Ku band coverage
• High LO stability
• High Cross polar isolation
• RF input: 10.7 ~ 12.75 GHz
• IF Output: 950 ~ 2150 MHz
• Oscillator Frequency: 9.75 / 10.60 GHz
• Low Noise figure: @ 0.5dB (Typ)
• Operating voltage: 13V/18V



HD8
Eight independent universal output ports.
Digital ready Ku band LNB
Input Frequency: 10.7 ~ 12.75 GHz
IF Output Frequency: 950 ~ 2150 MHz
Oscillator Frequency: 9.75/10.6 GHz
Low Noise figure: @ 0.2dB (Typ)
Operating voltage Vertical: 11.5~14.2VDC
Operating voltage Horizontal: 15.8~19VDC
Analog, Digital & HD signal compatible
Low phase noise.
High Cross Polar isolation
0/22 KHz band switching



OP8 HD Gold
Eight independent universal output ports.
Digital ready Ku band LNB
Input Frequency: 10.7 ~ 12.75 GHz
IF Output Frequency: 950 ~ 2150 MHz
Oscillator Frequency: 9.75/10.6 GHz
Low Noise figure: 0.3dB
Operating voltage Vertical: 11.5~14.2VDC
Operating voltage Horizontal: 15.8~19VDC
Analog, Digital & HD signal compatible
Low phase noise.
High Cross Polar isolation
0/22 KHz band switching

C-BAND LNB



OP8+
Eight independent universal output ports.
Digital ready Ku band LNB
Input Frequency: 10.7 ~ 12.75 GHz,
IF Output: 950 ~ 2150 MHz
Oscillator Frequency: 9.75/10.6 GHz,
Low Noise figure: @ 0.3dB (Typ)
Operating voltage Vertical: 11.5~14.2VDC
Operating voltage Horizontal: 15.8~19VDC
Analog and digital signals compatible
Low phase noise.
0/22 KHz band switching



ES-21 GOLD+Anti Wimax
RF Frequency: 3.7~4.2GHz
L.O. Frequency: 5150 /5750MHz
Noise Figure: *17K
Output frequency: 950~1750MHz
Supply Voltage: +12~20V
Gain: 65dB typical
Output Impedance: 75Ω
DC Current Consumption: 150mA
V/H Switching Voltage: 14V (Ver) / 18V (Hor)



ES-21+, C band
One cable Solution LNB
RF Frequency: 3.7~4.2GHz
L.O. Frequency: 5150 /5750 MHz
Noise Figure: *17K
Output frequency: 950~1750MHz
Supply Voltage: +12~20V
Gain: 65dB Typical
Output Impedance: 75Ω
DC Current Consumption: 150mA
V/H Switching Voltage: 14V (Ver) / 18V (Hor)



ESCDT-700,
C band Twin LNB
RF Frequency: 3.4~4.2GHz
L.O. Frequency: 5150 MHz
Noise Figure: *15K
Output frequency: 950~1750MHz
VSWR @ Room temp: 2.0:1 (typ)
Gain: 65dB Typical
Output Impedance: 75Ω
DC Current Consumption: 190mA
V/H Switching Voltage: 14V (Ver) / 18V (Hor)



ESCD 600 Gold,
Digital ready C band LNB
RF Frequency: 3.4~4.2GHz
L.O. Frequency: 5150 MHz
Noise Figure: *17K
Output frequency: 950~1750MHz
Supply Voltage: +12~20V
Gain: 65dB Typical
Output Impedance: 75Ω
DC Current Consumption: 150mA
V/H Switching Voltage: 14V (Ver) / 18V (Hor)



ES-SCR 04
SCR Quad With Legacy LNB
IF Output Frequency: 950 ~ 2150MHz
Oscillator Frequency: 9.75 / 10.6 GHz
Low noise figure - 0.2dB
HD/DVB-S2 standard
Global pay TV operator recommended
Cost saving for new installation & upgrades.

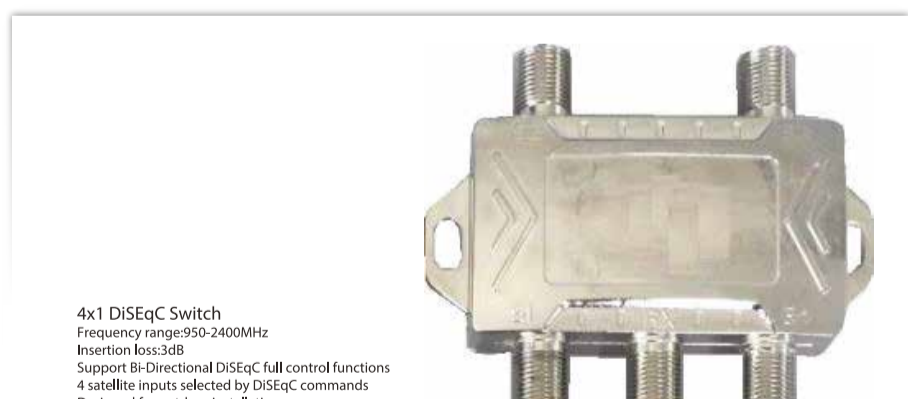
DiSEqC Switch



ESD-41 MINI
• 4 WAY DiSEqC Switch
• Frequency range: 900-2400MHz
• Insertion loss: 3dB
• Support Bi-Directional DiSEqC full control functions
• 4 satellite inputs selected by DiSEqC commands
• Designed for outdoor installation
• Colour: Metallic



ESD-81
• 8 WAY DiSEqC Switch
• Frequency range: 950-2150MHz
• Insertion loss: 3dB
• Support Bi-Directional DiSEqC full control functions
• 8 satellite inputs selected by DiSEqC commands
• Designed for outdoor installation
• Colour: Metallic



4x1 DiSEqC Switch
Frequency range: 950-2400MHz
Insertion loss: 3dB
Support Bi-Directional DiSEqC full control functions
4 satellite inputs selected by DiSEqC commands
Designed for outdoor installation
Colour: Metallic



ESD-41
• 4 WAY DiSEqC Switch
• Frequency range: 950-2400MHz
• Insertion loss: 3dB
• Support Bi-Directional DiSEqC full control functions
• 4 satellite inputs selected by DiSEqC commands
• Designed for outdoor installation
• Colour: Metallic

CABLES



Eurostar RG11, 305MTS
Protocol supports Radio Guide R11, IPS-TP017,
RoHS compliant
Compatibility with CCTV / Satellite TX/RX
Cable Colors available in Black
Packaging available in Plastic wrap
Construction in Bonded Foil
60% Braiding
34 AWG Braid Wire
PVC Jacket
96 strands
Weight: 28kg



Eurostar RG6
Range available in 30M, 60Y, 100Y, 305M
Protocol supports for Radio guide (RG6): IPS-TP-017
ROHS Compliant
Compatible with CCTV/Satellite TX/RX
Colour available in Black & White
Packaging available in plastic wrap
Construction in bonded foil
60% braiding
PVC jacket
48 strands

ACTIVE ANTENNA

DIGITAL INDOOR ANTENNA



EM 900

- Type & Color : Active & Beige
- Output Impedance :75 ohms
- Paint Coating : Polyester Powder
- Connector : F-Type Female
- Protocol : Terrestrial, FM, VLF, VHF, UHF
- Noise Figure : 1.7 ~ 3.5 dB
- Mount : Pipe / Mast Type - Up to Ø56 mm
- Power Source : DC12V(Adaptor Supplied)
- Material : ABS Plastic, Good PCBA design
- Operating Temperature: -20 C ~ + 60 C
- Protection : Short Circuit/ Overload
- Weight : 1.40 Kg



ACTIVE ANTENNA –EL-900

- Terrestrial, FM, VLF, VHF, UHF
- Type : Active
- Color : Beige
- Output Impedance :75 ohms
- Connector : F-Type Female
- Noise Figure : 1.7 ~ 3.5dB
- Mount : Pipe / Mast Type - Up to Ø56 mm
- Power Source : DC 12 V
- Material : ABS Plastic, Good PCBA design
- Operating Temperature: -20 C ~ + 60 C
- Protection : Short Circuit/ Overload
- Weight : 1.35 Kg

T-50

- SMD circuit technology design
- Tube design for space saving
- Built-in high gain and low noise amplifier
- Re-directional antenna for best reception
- Compatible with HDTV devices
- Shielded for minimum interference.



T-55

- SMD circuit technology design
- Stylish and compact size design
- Built-in high gain and low noise amplifier
- Adjustable telescopic antenna for optimum FM/VHF reception
- Compatible with HDTV devices
- Metal reflection shield (for optimum reception)



AV EXTENDERS



ES AV 500

- Transmit crisp A/V Signal with radio
- Frequency Compatible with camcorder or CMOS camera application
- Low power consumption
- IR extender included
- 4 Selectable Channel Switch
- Color : Black
- Range : 100m(LOS)



ES AV 700

- Transmit crisp A/V Signal with radio
- Frequency Compatible with camcorder or CMOS camera application
- Low power consumption
- IR extender included
- 4 Selectable Channel Switch
- Ideal for microwave anti-jamming capability
- Embedded Antenna into housing
- Slim type
- Range : 100m(LOS)



ES IRS 700T

- 434 MHz Infrared radio-control return feature
- Embedded remote control antenna into housing
- Low power consumption at 1.8W only
- Infrared Protocol
- Range : 100m(LOS)

POSITIONERS



AP 2000+

- Easy Operation and Quick Installation
- 32 Satellite positions
- Short Circuit Protection
- Wrong wiring Protection
- 20 Keys Full Function IR Remote control
- Re – synchronize East / West limits
- Reset Function Available



DDP 4000

- Easy Operation and Quick Installation
- Reset Function Available
- 99 Satellite memory positions
- Re-Calculates (Adjust Shift) Function
- Fine Tuning available for better Reception
- Short Circuit and Overload Protection
- Anti-Noise Circuit
- Satellite Positioning Limit Protection
- Auto Turn-off Protection
- Re – synchronize Function
- Protocol : DiSEqC 1.0 / 1.2



DDP 6000

- Easy Operation and Quick Installation
- Reset Function Available
- Auto Turn-off Protection
- Limit Protection (Software)
- Lock Key Protection
- 99 Satellite positions
- Re-Calculates (Adjust Shift) Function
- Fine Tuning available for better Reception
- OSD /Menu Function optionally dependent on Receiver's Menu
- DiSEqC 1.2 Receiver or Optional Remote Control

SPLITTERS



EPD 12+

- SATV Power Divider – 2 Output (Splitter)
- Design for CATV / SATV
- Zinc die-cast housing, Nickel Plated
- Simple Installation
- Low insertion Loss, high Isolation



EPD 14+

- SATV Power Divider – 4 Output (Splitter)
- Design for CATV / SATV
- Zinc die-cast housing, Nickel Plated
- Simple Installation Current 0.8 (Max)
- Low insertion Loss, high Isolation



ESS 2

- CATV/SATV Signal Taps – 2 Output
- Design for CATV / SATV
- Zinc die-cast housing,
- Tin Plated
- Low insertion Loss,
- High Isolation
- Simple Installation



ESS 3

- CATV/SATV Signal Taps – 3 Output
- Design for CATV / SATV
- Zinc die-cast housing,
- Tin Plated
- Low insertion Loss,
- High Isolation
- Simple Installation



ESS 4

- CATV/SATV Signal Taps – 4 Output
- Design for CATV / SATV
- Zinc die-cast housing,
- Tin Plated
- Low insertion Loss,
- High Isolation
- Simple Installation



ESS 6

- CATV/SATV Signal Taps – 6 Output
- Design for CATV / SATV
- Zinc die-cast housing,
- Tin Plated
- Low insertion Loss,
- High Isolation
- Simple Installation



ESS 8

- CATV/SATV Signal Taps – 8 Output
- Design for CATV / SATV
- Zinc die-cast housing,
- Tin Plated
- Low insertion Loss,
- High Isolation
- Simple Installation

AMPLIFIER SPLITTER

DIPLEXER



ESA 8

- Type : 8 x 1
- Gain : In dB 12dB
- Return Loss : In dB < 10
- Color : Metallic
- Noise figure : In dB < 5
- Power passing: 24V 0.8A (MAX.)
- Zinc die-cast housing, nickel-plated
- Simple installation and built-in two grounding blocks



MX 600

- Zinc die-cast housing,
- Tin Plated
- Simple Installation
- Protocol : VLF, VHF, UHF, DVB-C, DVB-S

CONNECTORS

Aqua Tight® EX® Universal Compression Connector

- Series 6 & 59
- Bandwidth : 0 MHz to 3 GHz
- Impedance : 75 Ohms (nominal)
- Return Loss : Minimum -30 dB to 3 GHz
- Insertion Loss : Less than -10 dB to 3 GHz
- Operating Voltage : 90 V (at 60 Hz continuous AC)
- Operating Temperature : -40°F To +140°F (-40°C To 60°C)
- Cable Retention : 45 lbs (20.41 kg) minimum



Aqua Tight® EX® Compression Connector, (Series 7 & 11)

- Series 7 & 11
- Bandwidth : 0 MHz to 3 GHz
- Impedance : 75 Ohms (nominal)
- Return Loss : Minimum -30 dB to 3 GHz
- Insertion Loss : Less than -10 dB to 3 GHz
- Operating Voltage : 90 V (at 60 Hz continuous AC)
- Operating Temperature : -40°F To +140°F (-40°C To 60°C)
- Cable Retention : 45 lbs (20.41 kg) minimum



EX® Universal Compression Connectors

- Series 59, 6, Plenum and Headend Cable
- Bandwidth : 0 MHz to 3 GHz
- Impedance : 75 Ohms (nominal)
- Return Loss : Minimum -30 dB to 3 GHz
- Insertion Loss : Less than -10 dB to 3 GHz
- Operating Voltage : 90 V (at 60 Hz continuous AC)
- Operating Temperature : -40°F To +140°F (-40°C To 60°C)
- Cable Retention : 45 lbs (20.41 kg) minimum



EX® Universal Compression Connectors

- Series 7 & 11
- Bandwidth : 0 MHz to 3 GHz
- Impedance : 75 Ohms (nominal)
- Return Loss : Minimum -30 dB to 3 GHz
- Insertion Loss : Less than -10 dB to 3 GHz
- Operating Voltage : 90 V (at 60 Hz continuous AC)
- Operating Temperature : -40°F To +140°F (-40°C To 60°C)
- Cable Retention : 45 lbs (20.41 kg) minimum



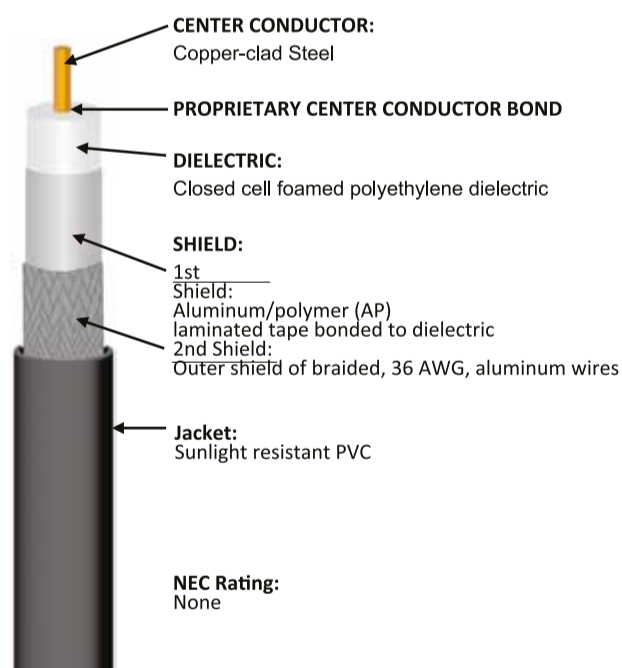
CABLES

Physical Dimensions (Nominal)

Component	Inches	mm
Center Conductor Diameter	0.040	1.02
Diameter Over Dielectric	0.180	4.57
Diameter Over First Shield (Tape)	0.188	4.78
Diameter Over Jacket	0.273	6.93

Electrical Specifications

Impedance, Ohms	75 ± 3	
Velocity of Propagation, %C, Nominal	85	
Capacitance, Nominal	16.2 pF/ft	53.2 pF/m
Conductor DC Resistance @ 68°F (20°C)	Ohms/ 1000ft	Ohms/
km Inner Conductor	30.00	98.42
Outer Conductor	10.90	35.76
Loop (IC + OC)	40.90	134.18



Physical Dimensions (Nominal)

Component	Inches	mm
Center Conductor Diameter	0.064	1.63
Diameter Over Dielectric	0.280	7.11
Diameter Over First Shield (Tape)	0.288	7.29
Diameter Over Jacket	0.400	10.16

Electrical Specifications

Impedance, Ohms	75 ± 3	
Velocity of Propagation, %C, Nominal	85	
Capacitance, Nominal	16.2 pF/ft	53.2 pF/m
Conductor DC Resistance @ 68°F (20°C)	Ohms/ 1000	ft Ohms/
Inner Conductor	11.00	36.09
Outer Conductor	6.50	21.33
Loop (IC + OC)	17.50	57.41

IP STREAMER



IP Streamer

- 4 RF Inputs for a Quattro LNB, for receiving all 4 satellite bands at once
- 4 active RF Loop-throughs for cascading to the next module
- Full flexible selection of band and polarity
- 4 tuners enable to independently demodulate 4 transponders
- CI-Slot for Conditional Access Module (CAM)
- Full polarity satellite or 4x terrestrial reception or 4x baseband MPEG streams with loop-through.
- Supports transport stream MPEG2- SD/HD and MPEG4- SD/HD
- 100/10 Mbps electrical Ethernet output.
- Streaming of up to 16 single program transport streams (SPTS) over IP
- Optional de-scrambling of up to 12 channels per CAM slot.
- Advanced transport stream processing.
- Management via separate USB port through GUI on PC
- Front led indication for status and alarms.

5X4 Stand alone Multi-Switch With integrated power



ES54P

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	4 dB	---
• Isolation (Port to Port):	25 dB	---	2 dB
	Maximum Output Level:	95 dBµV	---
• Supply Power:	AC220V - 50 Hz +- % SMPS		

5X8 Stand alone Multi-Switch With integrated power



ES58P

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	4 dB	---
• Isolation (Port to Port):	25 dB	---	2 dB
	Maximum Output Level:	95 dBµV	---
• Supply Power:	AC220V - 50 Hz +- % SMPS		

5X16 Stand alone Multi-Switch With integrated power



ES516P

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	4 dB	---
• Isolation (Port to Port):	25 dB	---	2 dB
	Maximum Output Level:	95 dBµV	---
• Supply Power:	AC220V - 50 Hz +- % SMPS		

5X12 Stand alone Multi-Switch With integrated power



ES512P

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	4 dB	---
• Isolation (Port to Port):	25 dB	---	0 dB
	Maximum Output Level:	95 dBµV	---
• Supply Power:	AC220V - 50 Hz +- % SMPS		

5x5x16 Cascade Multi-Switch



ES516C

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	5 dB	---
• Isolation (Port to Port):	25 dB	---	2 dB
	Isolation (Trunk to Trunk):	30 dB	---
• Maximum Output Level:	95 dBµV		
• Supply Power:	AC220V - 50 Hz +- % SMPS		

9X8 Stand alone Multi-Switch with Integrated Power



ES98P

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	2 dB	---
• Isolation (Port to Port):	25 dB	---	2 dB
	Maximum Output Level:	95 dBµV	
• Supply Power:	AC220V - 50 Hz +- % SMPS		

9x12 Stand alone Multi-Switch with Integrated Power



ES912P

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	4 dB	---
• Isolation (Port to Port):	25 dB	---	0 dB
	Maximum Output Level:	95 dBµV	
• Supply Power:	AC220V - 50 Hz +- % SMPS		

9x16 Stand alone Multi-Switch with Integrated Power



ES916P

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	5 dB	---
• Isolation (Port to Port):	25 dB	---	2 dB
	Maximum Output Level:	95 dBµV	
• Supply Power:	AC220V - 50 Hz +- % SMPS		

9x9x8 Cascade Multi-Switch



ES98C

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	+10~14 dB	---
• Isolation (Port to Port):	30 dB	---	0 dB
	Isolation (Trunk to Trunk):	30 dB	
• Maximum Output Level:	95 dBµV		
• Supply Power:	AC220V - 50 Hz +- % SMPS		

9x9x12 Cascade Multi-Switch



ES912C

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	+4 ~8 dB	---
• Isolation (Port to Port):	25 dB	---	0 dB
	Isolation (Trunk to Trunk):	30 dB	
• Maximum Output Level:	95 dBµV		
• Supply Power:	AC220V - 50 Hz +- % SMPS		

9x9x16 Cascade Multi-Switch



ES916C

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	+8 ~12 dB	---
• Isolation (Port to Port):	25 dB	---	0 dB
	Isolation (Trunk to Trunk):	30 dB	
• Maximum Output Level:	95 dBµV		
• Supply Power:	AC220V - 50 Hz +- % SMPS		

13x13x8 Cascade Multi-Switch



ES138C

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	+10~14 dB	---
• Isolation (Port to Port):	25 dB	---	0 dB
	Isolation (Trunk to Trunk):	30 dB	
• Maximum Output Level:	95 dBµV		
• Supply Power:	AC220V - 50 Hz +- % SMPS		

13x13x12 Cascade Multi-Switch



ES1312C

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	+8 ~12 dB	---
• Isolation (Port to Port):	25 dB	---	0-8 dB
	Isolation (Trunk to Trunk):	30 dB	
• Maximum Output Level:	95 dBµV		
• Supply Power:	AC220V - 50 Hz +- % SMPS		

13x13x16 Cascade Multi-Switch



ES1316C

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	+8~12 dB	---
• Isolation (Port to Port):	25 dB	---	0-8 dB
	Isolation (Trunk to Trunk):	30 dB	
• Maximum Output Level:	95 dBµV		
• Supply Power:	AC220V - 50 Hz +- % SMPS		

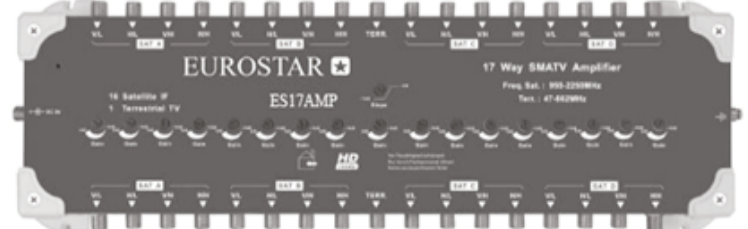
13x13x24 Cascade Multi-Switch



ES1324C

• Frequency Range:	Minimum	SAT	ANT
	Maximum	950 MHz	47 MHz
• Tap:	Gain	2250 MHz	860 MHz
	Loss	+6 ~10 dB	---
• Isolation (Port to Port):	25 dB	---	0-10 dB
	Isolation (Trunk to Trunk):	30 dB	
• Maximum Output Level:	95 dBµV		
• Supply Power:	AC220V - 50 Hz +- % SMPS		

17 Way Satellite Amplifier



ES17AMP

• Frequency Range SAT:	950-2250 MHz	Specific Features:
• Frequency Range ANT:	47-860 MHz (OEM 5~862)	
• SAT GAIN	(6 dB slope): 17 ~ 23 dB	• Cascade Reception
• ANT Gain	(10 dB Slope Adj.): 16 dB	• Network Amplifier
• Gain Adj.:	10 dB	• High Output Level
• Isolation (Trunk):	28 dB	• Gain Adjustable
• Power Supply:	90~260 V AC; 47~63Hz	• Slope Adjustable
• Max.Current Pass to LNB:	1200 mA	• Terrestrial Return Path