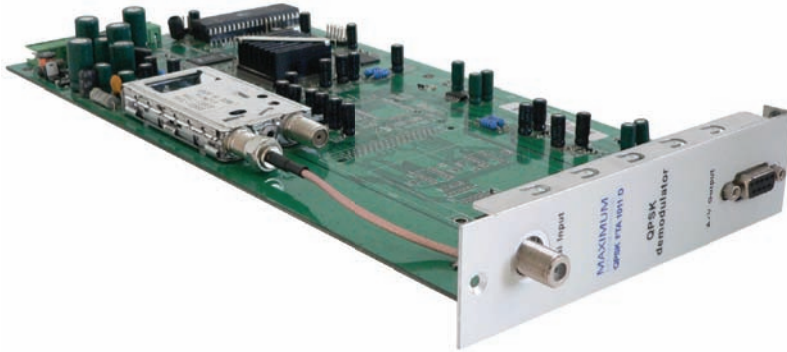


SMATV 1000

- 10 Channels head end system
- Power supply and programming unit included in the main chassis
- High 100dB μ V RF output level
- Chassis can be mounted in a 19" rack or direct on the wall
- CA modules is hidden by a top cover
- All programming can be done from the programming unit in the main chassis
- Possible to have TV sound transmitted on a FM channel
- Hot swap of modules
- Supports DVB and Teletext subtitles





#7650

Maximum QPSK FTA 1011 D is a Free-to-Air digital satellite receiver. It has DiSEqC built in so it allows you to operate a DiSEqC switch. You can also choose between 13/18 volt for polarization. It supports Teletext / VBI subtitles as well as DVB subtitles. The user-friendly OSD provides efficient operation.

071115

FEATURES

ator only for use in Maximum main frame 1040

TECHNICAL SPECIFICATIONS

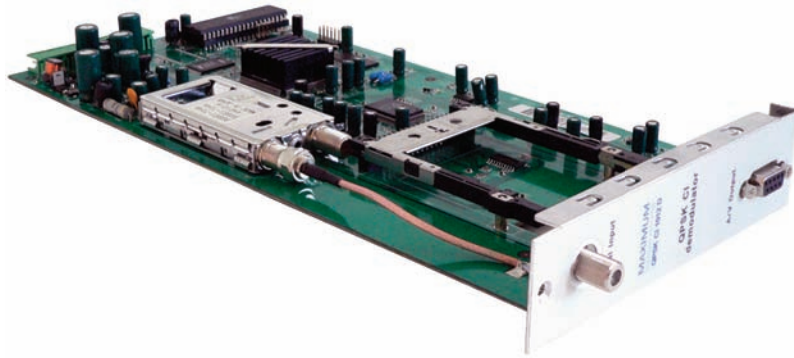
- Input frequency: 950 ~ 2150 MHz
- Input level: -25 dBm ~ -65 dBm
- Input impedance: 75 Ω , F type
- Symbol rate: 2 ~ 45 Mb/s
- Rolling off factor: 0,20 or 0,35
- Punctured rated: 1/2, 2/3, 3/4, 5/6, 6/7, 7/8
- Reeds salomon decoding: 204, 188 T=8 & I=12
- LNB input: One F type 75 Ω
- LNB power: 13 V, 18 V Switchable
- LNB switch: 0, 22 KHz and DiSEqC 1.0
- AV output: One D SUB connector / female

Video

- Output level: 1 Vp-p \pm 0,03 V
- Video output interface: 75 Ω
- Bar amplitude tolerance (700mV): \pm 5 %
- Sync. amplitude tolerance (300mV): \pm 5 %
- Burst amplitude tolerance (300mV): \pm 5 %
- Croma/Luma intermodulation: < 6 %
- Non linearity: < 6 %
- K-factor: \pm 4 %
- S/N ratio: > 54 dB
- Difference gain: < 3°
- Difference phase: < 3°
- Amplitude frequency response: \pm 2 dB
- Aspect ratio: 4:3, 16:9 / 720 x 576 @ PAL / 720 x 480 @ NTSC
- Data rate: 15 Mbps (Max. burst rate: 228 Mbps)

Audio

- Output level: 0 dBu
- Left & Right: MPEG layer I & II
- Dynamic range: > 80 dB
- Output impedance: 600 Ω
- S/N ratio: > 80 dB
- L-R level difference: \pm 1 dB
- Amplitude frequency response: \pm 2 dB
- Harmonic disortion ratio: < 0,2 %



#7651

Maximum QPSK CI 1012 D is a Digital Satellite QPSK receiver with 1 CI slot (PCMCIA). It supports different encrypted systems (including Viaccess, Conax, NDS, Irdeto, etc) with CAM, and supports Teletext/VBI subtitles and DVB subtitles. It has DiSEqC built in so it allows you to operate a DiSEqC switch. You can also choose between 13/18 volt for polarization. The user-friendly OSD provides efficient operation.

071115

FEATURES

- Fully complies with DVB-S and MPEG-2 standard
- Common interface with 1 CI PCMCIA slot which supports the encrypted systems of Viaccess, Conax, NDS, Irdeto, Cryptoworks, Nagra, Mediaguide etc.
- Dual mono audio tracks support
- Teletext / VBI subtitles and DVB subtitles support
- 256 colours OSD - support english, french, german etc.
- Automatic PAL to NTSC conversion and vice-versa
- Software upgrade via RS-232 interface
- Automatic save for last channel
- Favourite channel listing
- Signal strength display
- Extensive channel editing function - rename, delete, sort, move

TECHNICAL SPECIFICATIONS

- Input frequency: 950 ~ 2150 MHz
- Input level: -25 dBm ~ -65 dBm
- Input impedance: 75 Ω , F type
- Symbol rate: 2 ~ 45 Mb/s
- Rolling off factor: 0,20 or 0,35
- Punctured rated: 1/2, 2/3, 3/4, 5/6, 6/7, 7/8
- Reeds salomon decoding: 204, 188 T=8 & I=12
- LNB input: One F type 75 Ω
- LNB power: 13 V, 18 V Switchable
- LNB switch: 0, 22 KHz and DiSEqC 1.0
- AV output: One D SUB connector / female

Video

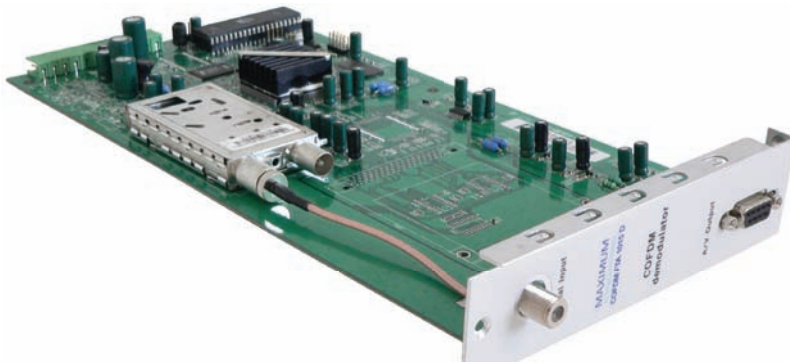
- Output level: 1 Vp-p \pm 0,03 V
- Video output interface: 75 Ω
- Bar amplitude tolerance (700mV): \pm 5 %
- Sync. amplitude tolerance (300mV): \pm 5 %
- Burst amplitude tolerance (300mV): \pm 5 %
- Croma/Luma intermodulation: < 6 %
- Non linearity: < 6 %
- K-factor: \pm 4 %
- S/N ratio: > 54 dB
- Difference gain: < 3°
- Difference phase: < 3°
- Amplitude frequency response: \pm 2 dB
- Aspect ratio: 4:3, 16:9 / 720 x 576 @ PAL / 720 x 480 @ NTSC
- Data rate: 15 Mbps (Max. burst rate: 228 Mbps)

Audio

- Output level: 0 dBu
- Left & Right: MPEG-2 layer I & II
- Dynamic range: > 80 dB
- Output impedance: 600 Ω
- S/N ratio: > 80 dB
- L-R level difference: \pm 1 dB
- Amplitude frequency response: \pm 2 dB
- Harmonic disortion ratio: < 0,2 %

CI

- CI PCMCIA module slot: One PCMCIA type



#7660

Maximum COFDM FTA 1015 D is a Free-to-Air digital terrestrial receiver. It supports Teletext / VBI subtitles as well as DVB subtitles. The user-friendly OSD provides efficient operation.

071115

FEATURES

- Fully comply with DVB-T and MPEG-2 standards
- Dual mono audio tracks support
- Teletext subtitles (DVB compliant) support
- User programmable channel information
- Automatic network search for newly added channels/programs
- 256 colors OSD -support English, French, German, Spanish, Italian, and Arabic etc.
- Automatic reserved channel after being moved
- EPG function, support PIG (Picture in Graphics) display
- Automatic PAL to NTSC conversion and vice-versa
- Software upgrade via RS-232 interface
- Channel management and control
- Signal strength display
- Extensive channel editing functions-Rename, Delete, Sort, Move
- Favourite Channels listing
- Automatic save for last channelSignal strength display
- Automatic save for last channel

TECHNICAL SPECIFICATIONS

- Input frequency: 110 ~ 855 MHz
- Input level: -25 dBm ~ -65 dBm
- Input impedance: 75 Ω , F type
- Symbol rate: 3,6 ~ 6,952 Mb/s
- Used bandwidth: 8M
- Punctured rated: 1/2, 2/3, 3/4, 5/6, 7/8
- Reeds salomon decoding: 204, 188 T=8 & I=12
- Guard interval: 1/4, 1/8, 1/16, 1/32
- FFT mode: 2k, 8k
- AV output: One DB9 connector / female

Video

- Output level: 1 Vp-p \pm 0,05 V
- Video output interface: 75 Ω
- Bar amplitude tolerance (700mV): \pm 5 %
- Sync. amplitude tolerance (300mV): \pm 5 %
- Burst amplitude tolerance (300mV): \pm 5 %
- Croma/Luma intermodulation: < 6 %
- Non linearity: < 6 %
- K-factor: \pm 4 %
- S/N ratio: > 54 dB
- Difference gain: < 15 %
- Difference phase: < 10°
- Amplitude frequency response: \pm 5 %
- Aspect ratio: 4:3, 16:9 / 720 x 576 @ PAL / 720 x 480 @ NTSC
- Data rate: 15 Mbps (Max. burst rate: 228 Mbps)
- Video buffer: 64 Mpbs SDRAM

Audio

- Output level: 0 dBu
- Left & Right: MPEG layer I & II
- Dynamic range: > 70 dB
- Output impedance: 600 Ω
- S/N ratio: > 70 dB
- L-R level difference: \pm 1 dB
- Amplitude frequency response: \pm 2 dB
- Harmonic disortion ratio: < 0,2 %



#7661

Maximum COFDM CI 1016 D is a Digital Terrestrial receiver with 1 CI slot (PCMCIA). It supports different encrypted systems (including Viaccess, Conax, NDS, Irdeto, etc) with CAM, and supports Teletext/VBI subtitles and DVB subtitles. The user-friendly OSD provides efficient operation.

071115

FEATURES

- Fully comply with DVB-T and MPEG-2 standards
- Common interface with 1 CI PCMCIA slot which supports the encrypted systems of Viaccess, Conax, NDS, Irdeto, Cryptoworks, Nnagra, Mediaguide
- Dual mono audio tracks support
- Teletext subtitles (DVB compliant) support
- User programmable channel information
- Automatic network search for newly added channels/programs
- 256 colors OSD -support English, French, German, Spanish, Italian, and Arabic etc.
- Automatic reserved channel after being moved
- EPG function, support PIG (Picture in Graphics) display
- Automatic PAL to NTSC conversion and vice-versa
- Software upgrade via RS-232 interface
- Channel management and control
- Signal strength display
- Extensive channel editing functions-Rename, Delete, Sort, Move
- Favourite Channels listing
- Automatic save for last channelSignal strength display
- Automatic save for last channel

TECHNICAL SPECIFICATIONS

- Input frequency: 110 ~ 855 MHz
- Input level -25 dBm ~ -65 dBm
- Input impedance: 75 Ω , F type
- Symbol rate: 3,6 ~ 6,952 Mb/s
- Used bandwidth: 8M
- Punctured rated: 1/2, 2/3, 3/4, 5/6, 7/8
- Reeds salomon decoding: 204, 188 T=8 & I=12
- Guard interval: 1/4, 1/8, 1/16, 1/32
- FFT mode: 2k, 8k
- AV output: One DB9 connector / female

Video

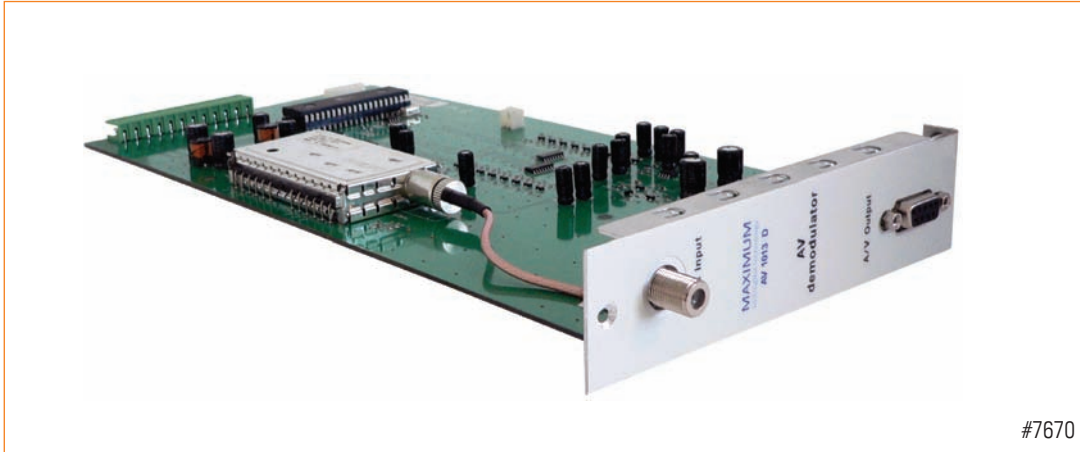
- Output level: 1 Vp-p \pm 0,05 V
- Video output interface: 75 Ω
- Bar amplitude tolerance (700mV): \pm 5 %
- Sync. amplitude tolerance (300mV): \pm 5 %
- Burst amplitude tolerance (300mV): \pm 5 %
- Croma/Luma intermodulation: < 6 %
- Non linearity: < 6 %
- K-factor: \pm 4 %
- S/N ratio: > 54 dB
- Difference gain: < 15 %
- Difference phase: < 10°
- Amplitude frequency response: \pm 5 %
- Aspect ratio: 4:3, 16:9 / 720 x 576 @ PAL / 720 x 480 @ NTSC
- Data rate: 15 Mbps (Max. burst rate: 228 Mbps)
- Video buffer: 64 Mpbs SDRAM

Audio

- Output level: 0 dBu
- Left & Right: MPEG layer I & II
- Dynamic range: > 70 dB
- Output impedance: 600 Ω
- S/N ratio: > 70 dB
- L-R level difference: \pm 1 dB
- Amplitude frequency response: \pm 2 dB
- Harmonic disortion ratio: < 0,2 %

CI

- CI PCMCIA module slot: One PCMCIA type



#7670

Maximum 1013 D is an analogue terrestrial TV receiver. Input frequency range from 48 ~ 860 MHz. Demodulated audio and video can be send to the modulator module or other equipment.

071115

FEATURES

TECHNICAL SPECIFICATIONS

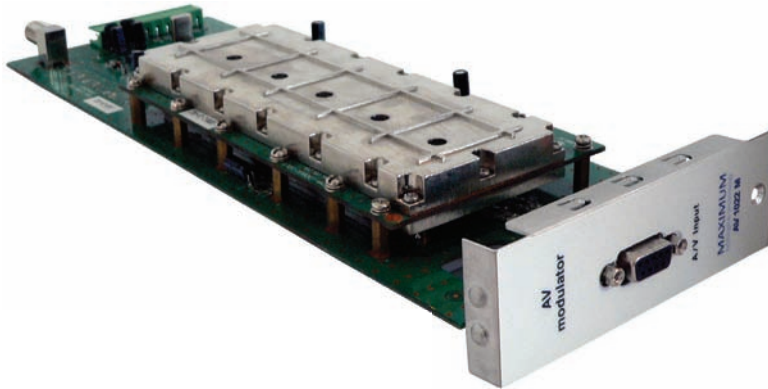
- Input frequency: 47 ~ 862 MHz
- Frequency adjust step: 1 MHz
- Input level: 60 ~ 85 dB μ V
- Input impedance: 75 Ω , F type

Video

- Output level: 0,7 ~ 1,3 Vp-p (adjustable)
- Output impedance: 75 Ω
- S/N ratio: \geq 54 dB
- Difference gain: \leq 5 %
- Difference phase: \leq 5 $^{\circ}$

Audio

- Output level: 0 dBu \pm 6 dB
- S/N ratio: \geq 60 dB
- Amplitude frequency response: \pm 1 dB
- Harmonic distortion ratio: \geq 1 %
- Audio de-emphasis: 50 μ s



#7680

Maximum AV 1022 M an Agile Adjacent Modulator module is made with proprietary SAW filter that achieves the true VSB response and IF modulation signal processing. The spurious harmonics is less than -55 dB, and with outside channel filter, the spurious harmonic could be less than -70 dB. Both video and audio carries are PLL controlled to ensure accuracy and stability. RF amplification circuit realizes low non-linear distortion and high output level. It has the features of last channel memory and RF output level: max 100 dB μ V; it also has the feature of high audio and video linearity.

071115

FEATURES

- 48 MHz to 870 MHz Agile Adjacent Modulation Output
- PAL, NTST, SEACAM TV system Factory Optional
- Mono, Stereo, Dual Audio mode selectable
- High 100dBu V RF output level
- Two PLL Synthesized Channel control
- Programmed full band by MCU
- Low spurious harmonic less than -60dB
- Built-in High-grade SAW VSB filter assure ultimate performance
- Video Pre-correction circuit for low DP, DG and C/L Delay

TECHNICAL SPECIFICATIONS

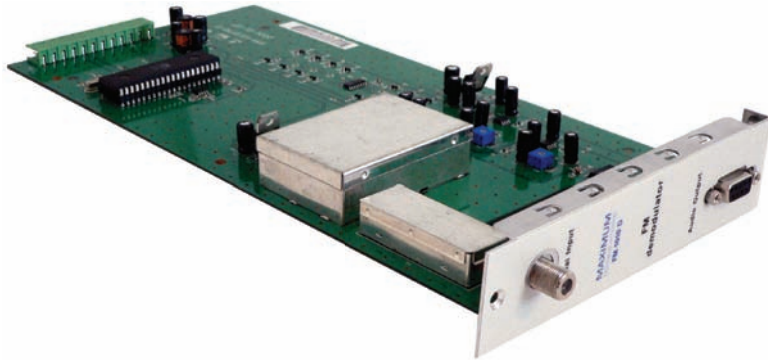
- Output frequency: 48,25 ~ 860,25 MHz adjustable
- Frequency adjust step: 1 MHz
- Output level: Max. 100 dB μ V
- Output level attenuation: 0 ~ -18 dB (adjustable)
- Output impedance: 75 Ω
- TV system: PAL, NTSC, SECAM factory optional
- Picture carrier accuracy: $\leq \pm 5$ KHz (VHF); ≤ 10 KHz (UHF)
- RF output return loss: ≥ 12 dB (VHF); ≥ 10 dB (UHF)
- Spurious/harmonic reject: ≥ 55 dBc
- AV carrier ratio: 5,5 MHz: 12 dB; 5,742 MHz: 16 dB

Video

- Input level: 1,0 Vp-p @ 87,5 % modulation
- C/L delay: ≤ 45 ns
- S/N ratio: ≥ 45 dB
- Difference gain: ≤ 5 %
- Difference phase: $\leq 5^\circ$
- K2T: ≤ 4 %
- Frequency response: ≤ 2 dB

Audio

- Input level: 0 dBu @ ± 50 KHz dev.
- S/N ratio: ≥ 55 dB
- Frequency response: $\pm 1,5$ dB
- Harmonic distortion ratio: ≤ 1 %
- Audio de-emphasis: 50 μ s



#7690

Maximum FM 1010 D. It adopts the Embedded Video Horizon Sync technology. It can demodulate analogue FM signals and deliver audio (stereo) signal to FM or TV modulator. Input frequency range is 87.5 MHz ~108 MHz.

071115

FEATURES

TECHNICAL SPECIFICATIONS

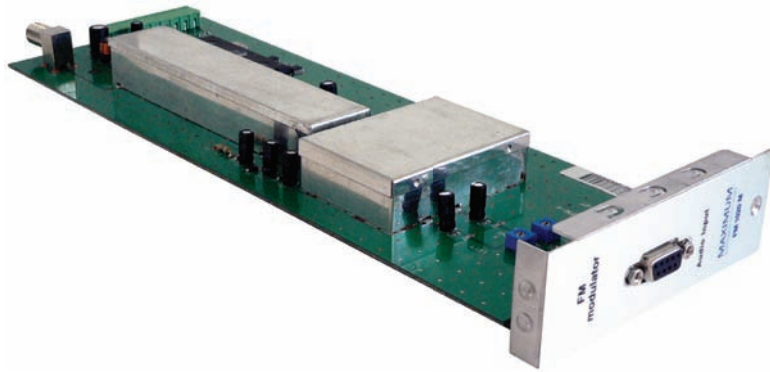
- Input frequency: 87,5 ~ 108 MHz
- Frequency adjust step: 0,1 MHz
- Input level: 40 ~ 70 dB μ V
- Input impedance: 75 Ω

Video

- Output level: 0,3 Vp-p
- Output impedance: 75 Ω

Audio

- Output level: 0 dB μ V \pm 6 dB (adjustable)
- S/N ratio: 55
- Frequency response: 4 dB (100 Hz - 5 KHz)
- Harmonic distortion ratio: 1,50 %
- Audio de-emphasis: 50 μ s



#7691

Maximum FM 1020 M is a FM Stereo Agile Modulator module. It adopts the frequency synthesis technology and can modulate audio (stereo) signal to adjacent RF signal. It is designed for providing flexible audio contents via Maximum 1000 Headend System. Output frequency range is 87.5 MHz ~108 MHz

071115

FEATURES

TECHNICAL SPECIFICATIONS

- Output frequency 87,5 ~ 108 MHz
- Frequency adjust step 0,1 MHz
- Output level 90 dB μ V
- Output level attenuation 0 ~ -18 dB
- Output impedance 75 Ω
- Carrier accuracy $\leq \pm 1$ KHz
- RF output return loss ≥ 12 dB
- Spurious/harmonic reject ≥ 60 dB
- Polif frequency 19 KHz ± 2 Hz
- Polif frequency modulation 8 ~ 10 %

Audio

- Input level: 0 dBu
- S/N ratio: ≥ 60 dB
- Frequency response: 80 Hz ~ 15 KHz
- Harmonic distortion ratio: ≤ 1 %
- Carrier modulation deviation: ± 75 KHz
- Audio de-emphasis: 50 μ s