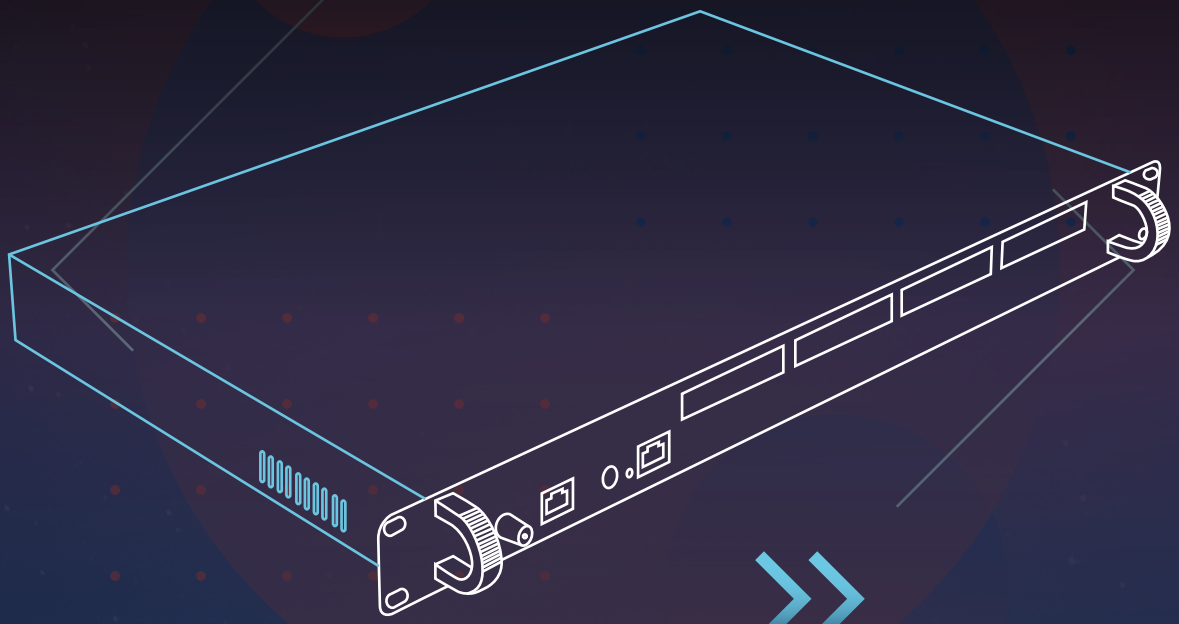
PRO LINE

Unbeatable professional-grade performance



Efficient Broadcasting Made Easy

DVB-S/S2/S2X/T/T2/C/HDMI | IP IN / OUT | Powerful TS multiplexer
1U Rack design | Dual hot-swap power supplies | Fleex Embedded inside

LEMCO

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v 1.2

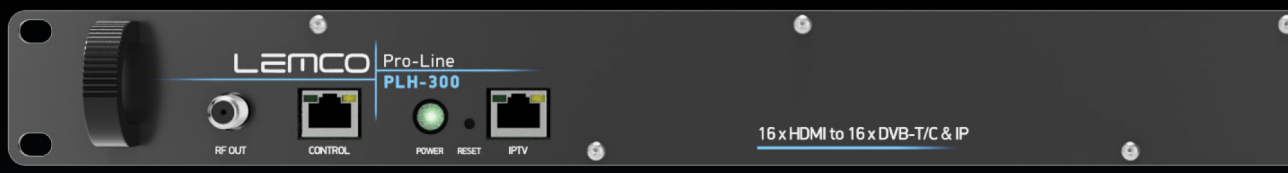
PRO LINE

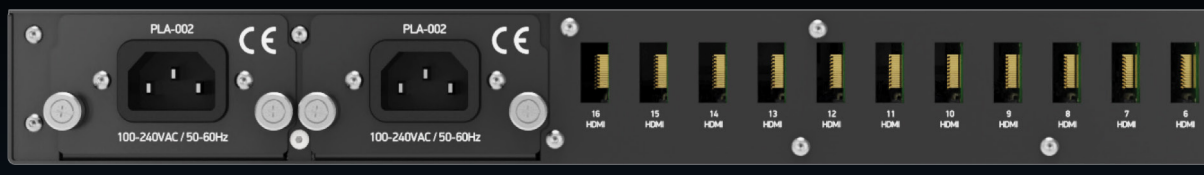
Introducing the world-class Lemco Pro Line - the ultimate headend solution that offers unbeatable professional-grade performance for businesses of all sizes.

PRO LINE

This comprehensive and advanced product is the epitome of innovation, with a wide range of applications that cover all industry standards (including DVB-S/S2/S2X/T/T2/C/HDMI/IP) and a truly versatile solution that can deliver signals over DVB-T/C and IP simultaneously, making it the perfect choice for the hospitality industry.

At the heart of the Lemco Pro Line is its advanced signal processing capabilities. With its powerful TS multiplexer and 16x inputs and outputs, the Lemco Pro Line is a true industry leader that can process large volumes of data and TV/Radio programs in a single unit, rendering it an exceptional and unparalleled solution for all your signal processing needs. Moreover, the compact 1U Rack mount design is space-saving and efficient, thanks to its cutting-edge design and advanced cooling technology.

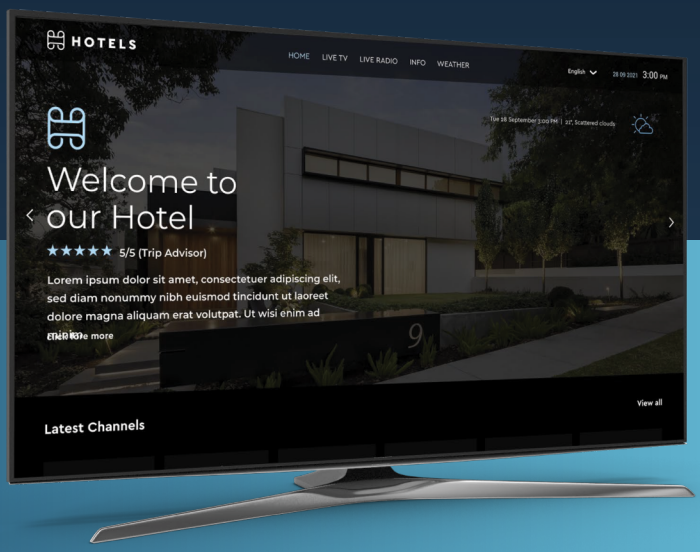




The Lemco Pro Line is also designed to host Fleex Embedded, a state-of-the-art IPTV middleware that enables businesses to easily create and manage their own IPTV networks without the need for an external server, an advanced feature which is unique to the Lemco Pro Line. And with its dual external power supplies that are hot-pluggable, you can enjoy added convenience, making the Lemco Pro Line an ideal solution for businesses that require reliability, high-performance and increased effectiveness.

FLEEX embedded

bringing the future of information & media



To top it off, the Lemco Pro Line comes with a 5-year warranty, providing you with peace of mind and protection. So if you're looking for a reliable, cutting-edge, and versatile headend system that can meet all your signal processing and delivery needs, look no further than the Lemco Pro Line. Invest in the best and take your business to the next level with this exceptional product.

Highlights

Multi-standard

Experience ultimate versatility with our Multi-standard headend solution, designed to accommodate a wide range of broadcasting requirements and industry standards. This innovative system seamlessly integrates various signal formats, including DVB-S/S2/S2X, DVB-T/T2, DVB-C, HDMI, and IP, making it the perfect choice for cable TV companies, IPTV providers, hotels, hospitals, and other similar installations.

Powerful TS multiplexer

One of the most state-of-the-art TS multiplexer is responsible of providing the “pool” technology feature as well as to offer a variety of different features such as custom NIT/SDT creation, EPG over RF and IP, LCN and more…

IPTV reception

IPTV reception mechanism in Pro Line allows for seamless reception and conversion of TV/Radio programs over IP with incredible efficiency. With support for up to 128 x SPTS / 16 x MPTS, our solution empowers businesses to effortlessly convert these programs to RF technology DVB-T/C, providing a comprehensive and versatile approach to signal processing and delivery.

IPTV streaming

The powerful IPTV streamer enables the delivery of TV and radio programming over both IP and RF channels simultaneously, with support for up to 128 x SPTS / 16 x MPTS streams.

Fleex Embedded support

Enhanced guest experience with Fleex Embedded IPTV middleware enabling control of TVs from major brands such as LG, Samsung, and Philips, and offering basic middleware functionality directly from the headend without the need for external servers

Dual power supplies

Pro Line’s dual hot-pluggable external power supplies provide businesses with convenient and redundant power, ensuring uninterrupted operation and added peace of mind.

5-year warranty

Our solutions are backed by a comprehensive 5-year warranty, providing customers with the confidence that their investment is protected against defects and malfunctions. The warranty underscores our commitment to delivering reliable, high-quality products and services that meet the diverse needs of businesses across various industries.

PRO LINE

PLF *series*

Pro Line - Free-To-Air (FTA) series

The PLF series is a part of the Pro Line headends product line that provides Free-To-Air (FTA) models with advanced flexibility. These models offer two options - RF+IP or IP Only - for seamless integration with a wide range of applications. This feature-rich series is designed to meet the evolving needs of the broadcasting industry and offer a superior viewing experience to the end-users.

PROLINE

PLF-300

16 x DVB-S/S2/T/T2/C to 16 x DVB-T/C & IP

Features

- 16 x independent multi-standard inputs DVB-S/S2/T/T2/C
- 16 x RF output DVB-T/C (software selectable)
- MER value > 45dB
- IPTV streaming (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- IPTV reception (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- SAP/SDP support
- "Pool" technology
- PID Filtering
- Custom NIT/SDT support
- PCR re-stamping, Correction
- EPG over RF and IP
- Very friendly user interface
- Fleex Embedded support (IPTV middleware)
- 1U Rack size
- Dual “Hot pluggable” power supplies
- 5 year warranty

The PLF-300 headend from the Pro Line series is an all-in-one solution that is highly advanced and versatile, designed to meet the changing needs of the broadcasting industry. With the capability to receive up to 16 independent satellite (DVB-S/S2), terrestrial (DVB-T/T2), or cable (DVB-C) signals, the device can convert them into 16 DVB-T/C RF output channels while providing 1x Gbit IPTV simultaneously streaming for distributing FTA TV and Radio programs.

For IPTV reception applications, the device can receive up to 128x SPTS or 16x MPTS and convert them to 16 DVB-T/C RF output channels with an extra license. The PLF-300 offers unmatched flexibility with its "pool" technology, enabling users to select any program from any of the 16 x inputs and assign it to any of the 16 x RF + IP outputs.

The PLF-300 is equipped with a powerful CPU (Quad core @ 1.8GHz / 2GB RAM), responsible for controlling the device using Linux OS while providing a friendly and incredibly fast user interface. It can be remotely or locally controlled via Ethernet, adding to the device's ease of use.

The compact 1U rack size of the PLF-300, combined with its advanced features, ensures that the device consumes the minimal rack space while it has the ability to accept dual “hot-pluggable” power supplies, adding an extra level of reliability and redundancy to ensure the device remains operational even in case of a power supply failure.

The PLF-300 can host an IPTV middleware (Fleex Embedded) without the need for any external server, enabling users to control all TV monitors in an installation, including LG, Samsung, Philips, and custom STBs, while offering a wide range of features such as Live TV, Live Radio, Info channels, Cast, Weather, Alarm, EPG, and many more.

Overall, the PLF-300 headend is an innovative and powerful device that provides advanced features and flexibility to deliver high-quality TV distribution. It's a great choice for cable TV companies, IPTV providers, hotels, hospitals, and other similar installations.

PROLINE

PLF-300

16 x DVB-S/S2/T/T2/C to 16 x DVB-T/C & IP

Input	
Type	16 x DVB-S/S2/T/T2/C
Frequencies	950…2150 MHz DVB-S/S2
	118…900MHz DVB-T/T2/C
Connector	75Ω - F, female
Loop-through connector	No
LNB	
Voltage	OFF / 13V / 18V
Current	Less than 400mA (per input)
22 kHz signal	ON / OFF
22 kHz signal - Voltage	0.65V ± 0.35V
22 kHz signal - Frequency	22 KHz ± 4Hz
22 kHz signal - DiSEqC	1.0 (Port A, B, C, D)
DVB-S (IN)	
Symbol rate	1 - 45 MBaud
Roll off factor	0.35
Code rate	1/2, 2/3, 3/4, 5/6, 7/8 (Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
DVB-S2 (IN)	
Constellation	QPSK, 8PSK (Automatic)
Symbol rate	1 - 45 MBaud (QPSK) - 1 - 30 MBaud (8PSK)
Roll off factor	0.2 / 0.35 (Automatic)
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK-Automatic)
	3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK-Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
DVB-T (IN)	
Bandwidth	6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
DVB-T2 (IN)	
Bandwidth	5, 6, 7, 8 MHz
Mode	1K, 2K, 4K, 8K, 16K, 32K (Included extended mode)
Constellation	QPSK, 16QAM, 64QAM, 256QAM
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6
Multi PLP support	Yes
DVB-C (Annex A,B,C)	
Bandwidth	5, 6, 7, 8 MHz
Mode	Automatic modulation detection
Constellation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Transport Stream Processing	
Pool technology support	Yes
Services	User selection by service names or Service ID
Automatic regeneration	PAT, CAT, SDT, PMTs, EITs tables
NIT	Pass-through, custom, automatic
Custom NIT/SDT creation	Yes
PCR	Re-stamping
PCR correction	Yes
LCN support	Yes
PID filtering	Yes
EPG information	Yes over RF and IP

RF Output	
Type	16 x DVB-T or 16 x DVB-C RF channels
	2 groups of 8 adjacent channels in DVB-T
	8 groups of 2 adjacent channels in DVB-C
Output Frequencies	110…900 MHz (10 KHz step)
Output Level	90dBµV
Connector	75Ω - F, female
Output Attenuator	0…-30dB
DVB-T (OUT)	
Bandwidth	5, 6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
MER	More than 42dB @ Full Band
DVB-C (OUT)	
Constellation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Symbol rate	2.5-8.4 Ms/s
Channel step	3…10MHz
MER	More than 40dB @ Full Band
IP Streaming (OUT)	
IP TS Out	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps in IP only mode)
Type	Up to 128 x SPTS or 16 x MPTS
SDP/SAP Support	Yes
IP Streaming (IN)	
Optional	Requires extra license
IP TS In	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps)
Type	Up to 128 x SPTS or 16 x MPTS
IGMP snooping	Yes, v2 and v3
Programming Interface	
Operating system	Linux OS
Ethernet webserver	Yes, embedded webserver
Speed	100/1000 Mbps
Connector	RJ45
Browser compatibility	Chrome, Firefox, Safari, Opera, Edge et al.
EAN-13	
Code	5213009761864
General	
Power supply	115…230 VAC
Frequency range	47…63Hz
Number of power supplies	Up to two(2)
Hot-swap technology	Yes
Power supply consumption	~60VA
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	480 x 295 x 43.5mm
Mounting	1U rack
Weight	4.45 Kg

PROLINE

PLF-301

16 x DVB-S/S2/S2X to 16 x DVB-T/C & IP

Features

- 16 x independent multi-standard inputs DVB-S/S2/S2X
- Multi-Stream and Multi-PLP support
- 16 x RF output DVB-T/C (software selectable)
- MER value > 45dB
- IPTV streaming (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- IPTV reception (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- SAP/SDP support
- "Pool" technology
- PID Filtering
- Custom NIT/SDT support
- PCR re-stamping, Correction
- EPG over RF and IP
- Very friendly user interface
- Fleex Embedded support (IPTV middleware)
- 1U Rack size
- Dual "Hot pluggable" power supplies
- 5 year warranty

The PLF-301 headend from the Pro Line series is an all-in-one solution that is highly advanced and versatile, designed to meet the changing needs of the broadcasting industry. With the capability to receive up to 16 independent satellite (DVB-S/S2/S2X) signals while supporting multi-stream reception, the device can convert them into 16 DVB-T/C RF output channels while providing 1x Gbit IPTV simultaneously streaming for distributing FTA TV and Radio programs.

For IPTV reception applications, the device can receive up to 128x SPTS or 16x MPTS and convert them to 16 DVB-T/C RF output channels with an extra license. The PLF-300 offers unmatched flexibility with its "pool" technology, enabling users to select any program from any of the 16 x inputs and assign it to any of the 16 x RF + IP outputs.

The PLF-301 is equipped with a powerful CPU (Quad core @ 1.8GHz / 2GB RAM), responsible for controlling the device using Linux OS while providing a friendly and incredibly fast user interface. It can be remotely or locally controlled via Ethernet, adding to the device's ease of use.

The compact 1U rack size of the PLF-301, combined with its advanced features, ensures that the device consumes the minimal rack space while it has the ability to accept dual "hot-pluggable" power supplies, adding an extra level of reliability and redundancy to ensure the device remains operational even in case of a power supply failure.

The PLF-301 can host an IPTV middleware (Fleex Embedded) without the need for any external server, enabling users to control all TV monitors in an installation, including LG, Samsung, Philips, and custom STBs, while offering a wide range of features such as Live TV, Live Radio, Info channels, Cast, Weather, Alarm, EPG, and many more.

Overall, the PLF-301 headend is an innovative and powerful device that provides advanced features and flexibility to deliver high-quality TV distribution. It's a great choice for cable TV companies, IPTV providers, hotels, hospitals, and other similar installations.

PROLINE

PLF-301

16 x DVB-S/S2/S2X
to 16 x DVB-T/C & IP

Input	
Type	16 x DVB-S/S2/S2X
Frequencies	950…2150 MHz
Connector	75Ω - F, female
Loop-through connector	Yes
LNB	
Voltage	OFF / 13V / 18V
Current	Less than 400mA (per input)
22 kHz signal	ON / OFF
22 kHz signal - Voltage	0.65V ± 0.35V
22 kHz signal - Frequency	22 KHz ± 4Hz
22 kHz signal - DiSEqC	1.0 (Port A, B, C, D)
DVB-S (IN)	
Symbol rate	1 - 45 MBaud
Roll off factor	0.35
Code rate	1/2, 2/3, 3/4, 5/6, 7/8 (Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
DVB-S2 (IN)	
Constellation	QPSK, 8PSK (Automatic)
Symbol rate	1 - 45 MBaud (QPSK) - 1 - 30 MBaud (8PSK)
Roll off factor	0.2 / 0.35 (Automatic)
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK-Automatic)
	3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK-Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
DVB-S2X (IN)	
Standard	EN302 307-1 V1.4.1
Constellation	QPSK, 8PSK (automatic)
Symbol rate	1 - 45 MBaud (QPSK) / 1 - 30 MBaud (8PSK)
Roll off factor	Anó 0.05 to 0.35 (automatic)
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK- automatic)
	3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK- automatic)
Multi-stream support	Yes
T2MI MPLP (multiple PLP) signa	Yes
Transport Stream Processing	
Pool technology support	Yes
Services	User selection by service names or Service ID
Automatic regeneration	PAT, CAT, SDT, PMTs, EITs tables
NIT	Pass-through, custom, automatic
Custom NIT/SDT creation	Yes
PCR	Re-stamping
PCR correction	Yes
LCN support	Yes
PID filtering	Yes
EPG information	Yes over RF and IP

RF Output	
Type	16 x DVB-T or 16 x DVB-C RF channels
	2 groups of 8 adjacent channels in DVB-T
	8 groups of 2 adjacent channels in DVB-C
Output Frequencies	110…900 MHz (10 KHz step)
Output Level	90dBµV
Connector	75Ω - F, female
Output Attenuator	0…-30dB
DVB-T (OUT)	
Bandwidth	5, 6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
MER	More than 42dB @ Full Band
DVB-C (OUT)	
Constellation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Symbol rate	2.5-8.4 Ms/s
Channel step	3…10MHz
MER	More than 40dB @ Full Band
IP Streaming (OUT)	
IP TS Out	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps in IP only mode)
Type	Up to 128 x SPTS or 16 x MPTS
SDP/SAP Support	Yes
IP Streaming (IN)	
Optional	Requires extra license
IP TS In	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps)
Type	Up to 128 x SPTS or 16 x MPTS
IGMP snooping	Yes, v2 and v3
Programming Interface	
Operating system	Linux OS
Ethernet webserver	Yes, embedded webserver
Speed	100/1000 Mbps
Connector	RJ45
Browser compatibility	Chrome, Firefox, Safari, Opera, Edge et al.
EAN-13	
Code	5213009761871
General	
Power supply	115…230 VAC
Frequency range	47…63Hz
Number of power supplies	Up to two(2)
Hot-swap technology	Yes
Power supply consumption	~60VA
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	480 x 295 x 43.5mm
Mounting	1U rack
Weight	4.45 Kg

PROLINE

PLF-200

16 x DVB-S/S2/T/T2/C to IP

Features

- 16 x independent multi-standard inputs DVB-S/S2/T/T2/C
- IPTV streaming (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- IPTV reception (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- SAP/SDP support
- "Pool" technology
- PID Filtering
- PCR re-stamping, Correction
- EPG over IP
- Very friendly user interface
- Fleex Embedded support (IPTV middleware)
- 1U Rack size
- Dual "Hot pluggable" power supplies
- 5 year warranty

The PLF-200 headend from the Pro Line series is an all-in-one solution that is highly advanced and versatile, designed to meet the changing needs of the broadcasting industry. With the capability to receive up to 16 independent satellite (DVB-S/S2), terrestrial (DVB-T/T2), or cable (DVB-C) signals, the device can convert them into 1x Gbit IPTV streaming for distributing FTA TV and Radio programs.

For IPTV reception applications, the device can receive up to 128x SPTS or 16x MPTS and convert them to 16 DVB-T/C RF output channels with an extra license. The PLF-200 offers unmatched flexibility with its "pool" technology, enabling users to select any program from any of the 16 x inputs and assign it to any of the IP outputs.

The PLF-200 is equipped with a powerful CPU (Quad core @ 1.8GHz / 2GB RAM), responsible for controlling the device using Linux OS while providing a friendly and incredibly fast user interface. It can be remotely or locally controlled via Ethernet, adding to the device's ease of use.

The compact 1U rack size of the PLF-200, combined with its advanced features, ensures that the device consumes the minimal rack space while it has the ability to accept dual "hot-pluggable" power supplies, adding an extra level of reliability and redundancy to ensure the device remains operational even in case of a power supply failure.

The PLF-200 can host an IPTV middleware (Fleex Embedded) without the need for any external server, enabling users to control all TV monitors in an installation, including LG, Samsung, Philips, and custom STBs, while offering a wide range of features such as Live TV, Live Radio, Info channels, Cast, Weather, Alarm, EPG, and many more.

Overall, the PLF-200 headend is an innovative and powerful device that provides advanced features and flexibility to deliver high-quality TV distribution. It's a great choice for cable TV companies, IPTV providers, hotels, hospitals, and other similar installations.

PROLINE

PLF-200

16 x DVB-S/S2/T/T2/C to IP

Input	
Type	16 x DVB-S/S2/T/T2/C
Frequencies	950…2150 MHz DVB-S/S2
	118…900MHz DVB-T/T2/C
Connector	75Ω - F, female
Loop-through connector	No
LNB	
Voltage	OFF / 13V / 18V
Current	Less than 400mA (per input)
22 kHz signal	ON / OFF
22 kHz signal - Voltage	0.65V ± 0.35V
22 kHz signal - Frequency	22 KHz ± 4Hz
22 kHz signal - DiSEqC	1.0 (Port A, B, C, D)
DVB-S (IN)	
Symbol rate	1 - 45 MBaud
Roll off factor	0.35
Code rate	1/2, 2/3, 3/4, 5/6, 7/8 (Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
DVB-S2 (IN)	
Constellation	QPSK, 8PSK (Automatic)
Symbol rate	1 - 45 MBaud (QPSK) - 1 - 30 MBaud (8PSK)
Roll off factor	0.2 / 0.35 (Automatic)
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK-Automatic)
	3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK-Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
DVB-T (IN)	
Bandwidth	6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
DVB-T2 (IN)	
Bandwidth	5, 6, 7, 8 MHz
Mode	1K, 2K, 4K, 8K, 16K, 32K (Included extended mode)
Constellation	QPSK, 16QAM, 64QAM, 256QAM
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6
Multi PLP support	Yes
DVB-C (Annex A,B,C)	
Bandwidth	5, 6, 7, 8 MHz
Mode	Automatic modulation detection
Constellation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Transport Stream Processing	
Pool technology support	Yes
Services	User selection by service names or Service ID
Automatic regeneration	PAT, CAT, SDT, PMTs, EITs tables
NIT	Pass-through, custom, automatic
Custom NIT/SDT creation	Yes
PCR	Re-stamping
PCR correction	Yes
LCN support	Yes
PID filtering	Yes
EPG information	Yes over RF and IP

IP Streaming (OUT)	
IP TS Out	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps in IP only mode)
Type	Up to 128 x SPTS or 16 x MPTS
SDP/SAP Support	Yes
IP Streaming (IN)	
Optional	Requires extra license
IP TS In	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps)
Type	Up to 128 x SPTS or 16 x MPTS
IGMP snooping	Yes, v2 and v3
Programming Interface	
Operating system	Linux OS
Ethernet webserver	Yes, embedded webserver
Speed	100/1000 Mbps
Connector	RJ45
Browser compatibility	Chrome, Firefox, Safari, Opera, Edge et al.
EAN-13	
Code	5213009761819
General	
Power supply	115…230 VAC
Frequency range	47…63Hz
Number of power supplies	Up to two(2)
Hot-swap technology	Yes
Power supply consumption	~60VA
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	480 x 295 x 43.5mm
Mounting	1U rack
Weight	4.35 Kg

PROLINE

PLF-201

16 x DVB-S/S2/S2X to IP

Features

- 16 x independent multi-standard inputs DVB-S/S2/S2X
- Multi-Stream and Multi-PLP support
- IPTV streaming (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- IPTV reception (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- SAP/SDP support
- "Pool" technology
- PID Filtering
- PCR re-stamping, Correction
- EPG over IP
- Very friendly user interface
- Fleex Embedded support (IPTV middleware)
- 1U Rack size
- Dual "Hot pluggable" power supplies
- 5 year warranty

The PLF-201 headend from the Pro Line series is an all-in-one solution that is highly advanced and versatile, designed to meet the changing needs of the broadcasting industry. With the capability to receive up to 16 independent satellite (DVB-S/S2/S2X) signals while supporting multi-stream reception, the device can convert them into 1x Gbit IPTV streaming for distributing FTA TV and Radio programs.

For IPTV reception applications, the device can receive up to 128x SPTS or 16x MPTS and convert them to 16 DVB-T/C RF output channels with an extra license. The PLF-201 offers unmatched flexibility with its "pool" technology, enabling users to select any program from any of the 16 x inputs and assign it to any of the IP outputs.

The PLF-201 is equipped with a powerful CPU (Quad core @ 1.8GHz / 2GB RAM), responsible for controlling the device using Linux OS while providing a friendly and incredibly fast user interface. It can be remotely or locally controlled via Ethernet, adding to the device's ease of use.

The compact 1U rack size of the PLF-201, combined with its advanced features, ensures that the device consumes the minimal rack space while it has the ability to accept dual "hot-pluggable" power supplies, adding an extra level of reliability and redundancy to ensure the device remains operational even in case of a power supply failure.

The PLF-201 can host an IPTV middleware (Fleex Embedded) without the need for any external server, enabling users to control all TV monitors in an installation, including LG, Samsung, Philips, and custom STBs, while offering a wide range of features such as Live TV, Live Radio, Info channels, Cast, Weather, Alarm, EPG, and many more.

Overall, the PLF-201 headend is an innovative and powerful device that provides advanced features and flexibility to deliver high-quality TV distribution. It's a great choice for cable TV companies, IPTV providers, hotels, hospitals, and other similar installations.

PROLINE

PLF-201

16 x DVB-S/S2/S2X to IP

Input	
Type	16 x DVB-S/S2/S2X
Frequencies	950…2150 MHz
Connector	75Ω - F, female
Loop-through connector	Yes
LNB	
Voltage	OFF / 13V / 18V
Current	Less than 400mA (per input)
22 kHz signal	ON / OFF
22 kHz signal - Voltage	0.65V ± 0.35V
22 kHz signal - Frequency	22 KHz ± 4Hz
22 kHz signal - DiSEqC	1.0 (Port A, B, C, D)
DVB-S (IN)	
Symbol rate	1 - 45 MBaud
Roll off factor	0.35
Code rate	1/2, 2/3, 3/4, 5/6, 7/8 (Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
DVB-S2 (IN)	
Constellation	QPSK, 8PSK (Automatic)
Symbol rate	1 - 45 MBaud (QPSK) - 1 - 30 MBaud (8PSK)
Roll off factor	0.2 / 0.35 (Automatic)
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK-Automatic)
	3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK-Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
DVB-S2X (IN)	
Standard	EN302 307-1 V1.4.1
Constellation	QPSK, 8PSK (automatic)
Symbol rate	1 - 45 MBaud (QPSK) / 1 - 30 MBaud (8PSK)
Roll off factor	Anó 0.05 to 0.35 (automatic)
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK- automatic)
	3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK- automatic)
Multi-stream support	Yes
T2MI MPLP (multiple PLP) signa	Yes
Transport Stream Processing	
Pool technology support	Yes
Services	User selection by service names or Service ID
Automatic regeneration	PAT, CAT, SDT, PMTs, EITs tables
NIT	Pass-through, custom, automatic
Custom NIT/SDT creation	Yes
PCR	Re-stamping
PCR correction	Yes
LCN support	Yes
PID filtering	Yes
EPG information	Yes over RF and IP

IP Streaming (OUT)	
IP TS Out	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps in IP only mode)
Type	Up to 128 x SPTS or 16 x MPTS
SDP/SAP Support	Yes
IP Streaming (IN)	
Optional	Requires extra license
IP TS In	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps)
Type	Up to 128 x SPTS or 16 x MPTS
IGMP snooping	Yes, v2 and v3
Programming Interface	
Operating system	Linux OS
Ethernet webserver	Yes, embedded webserver
Speed	100/1000 Mbps
Connector	RJ45
Browser compatibility	Chrome, Firefox, Safari, Opera, Edge et al.
EAN-13	
Code	5213009761826
General	
Power supply	115…230 VAC
Frequency range	47…63Hz
Number of power supplies	Up to two(2)
Hot-swap technology	Yes
Power supply consumption	~60VA
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	480 x 295 x 43.5mm
Mounting	1U rack
Weight	4.35 Kg

PRO LINE

PLC*series*

Pro Line – Common Interface (CI) series

The PLC series is a part of the Pro Line headends product line that provides models with advanced flexibility and Common Interface support with FlexCAM technology. These models offer two options - RF+IP or IP Only - for seamless integration with a wide range of applications. This feature-rich series is designed to meet the evolving needs of the broadcasting industry and offer a superior viewing experience to the end-users.

PROLINE

PLC-300

16 x DVB-S/S2/T/T2/C + 8 x FlexCAM to 16 x DVB-T/C & IP

Features

- 16 x independent multi-standard inputs DVB-S/S2/T/T2/C
- 16 x RF output DVB-T/C (software selectable)
- 8x Common Interfaces (FlexCAM technology)
- 16 x RF output DVB-T/C (software selectable)
- MER value > 45dB
- IPTV streaming (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- IPTV reception (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- SAP/SDP support
- "Pool" technology
- PID Filtering
- Custom NIT/SDT support
- PCR re-stamping, Correction
- EPG over RF and IP
- Very friendly user interface
- Fleex Embedded support (IPTV middleware)
- 1U Rack size
- Dual "Hot pluggable" power supplies
- 5 year warranty

The PLC-300 headend from the Pro Line series is an all-in-one solution that is highly advanced and versatile, designed to meet the changing needs of the broadcasting industry. With the capability to receive up to 16 independent satellite (DVB-S/S2), terrestrial (DVB-T/T2), or cable (DVB-C) signals, the device can convert them into 16 DVB-T/C RF output channels while providing 1x Gbit IPTV simultaneously streaming for distributing FTA TV and Radio programs.

The PLC-300 offers unparalleled flexibility in descrambling capabilities. It supports up to 8x Common Interfaces (CI) using the advanced FlexCAM technology, which allows users to connect them to either the inputs or outputs of the multiplexer. This innovative technology provides advanced descrambling flexibility, enabling the user to customize their broadcasting services to meet the unique needs of their audience.

For IPTV reception applications, the device can receive up to 128x SPTS or 16x MPTS and convert them to 16 DVB-T/C RF output channels with an extra license. The PLC-300 offers unmatched flexibility with its "pool" technology, enabling users to select any program from any of the 16 x inputs and assign it to any of the 16 x RF + IP outputs.

The PLC-300 is equipped with a powerful CPU (Quad core @ 1.8GHz / 2GB RAM), responsible for controlling the device using Linux OS while providing a friendly and incredibly fast user interface. It can be remotely or locally controlled via Ethernet, adding to the device's ease of use.

The compact 1U rack size of the PLC-300, combined with its advanced features, ensures that the device consumes the minimal rack space while it has the ability to accept dual "hot-pluggable" power supplies, adding an extra level of reliability and redundancy to ensure the device remains operational even in case of a power supply failure.

The PLC-300 can host an IPTV middleware (Fleex Embedded) without the need for any external server, enabling users to control all TV monitors in an installation, including LG, Samsung, Philips, and custom STBs, while offering a wide range of features such as Live TV, Live Radio, Info channels, Cast, Weather, Alarm, EPG, and many more.

Overall, the PLC-300 headend is an innovative and powerful device that provides advanced features and flexibility to deliver high-quality TV distribution. It's a great choice for cable TV companies, IPTV providers, hotels, hospitals, and other similar installations.

PROLINE

PLC-300

16 x DVB-S/S2/T/T2/C + 8 x FlexCAM to 16 x DVB-T/C & IP

Input	
Type	16 x DVB-S/S2/T/T2/C
Frequencies	950…2150 MHz DVB-S/S2
	118…900MHz DVB-T/T2/C
Connector	75Ω - F, female
Loop-through connector	No
LNB	
Voltage	OFF / 13V / 18V
Current	Less than 400mA (per input)
22 kHz signal	ON / OFF
22 kHz signal - Voltage	0.65V ± 0.35V
22 kHz signal - Frequency	22 KHz ± 4Hz
22 kHz signal - DiSEqC	1.0 (Port A, B, C, D)
DVB-S (IN)	
Symbol rate	1 - 45 MBaud
Roll off factor	0.35
Code rate	1/2, 2/3, 3/4, 5/6, 7/8 (Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
DVB-S2 (IN)	
Constellation	QPSK, 8PSK (Automatic)
Symbol rate	1 - 45 MBaud (QPSK) - 1 - 30 MBaud (8PSK)
Roll off factor	0.2 / 0.35 (Automatic)
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK-Automatic)
	3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK-Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
CI Interface	
Number of Common Interfaces	8x (in total)
FlexCAM technology	Yes
Connectror	PCMCIA (front access)
Max. Frequency	77MHz
DVB-T (IN)	
Bandwidth	6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
DVB-T2 (IN)	
Bandwidth	5, 6, 7, 8 MHz
Mode	1K, 2K, 4K, 8K, 16K, 32K (Included extended mode)
Constellation	QPSK, 16QAM, 64QAM, 256QAM
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6
Multi PLP support	Yes
DVB-C (Annex A,B,C)	
Bandwidth	5, 6, 7, 8 MHz
Mode	Automatic modulation detection
Constellation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Transport Stream Processing	
Pool technology support	Yes
Services	User selection by service names or Service ID
Automatic regeneration	PAT, CAT, SDT, PMTs, EITs tables
NIT	Pass-through, custom, automatic
Custom NIT/SDT creation	Yes
PCR	Re-stamping
PCR correction	Yes
LCN support	Yes
PID filtering	Yes
EPG information	Yes over RF and IP

RF Output	
Type	16 x DVB-T or 16 x DVB-C RF channels
	2 groups of 8 adjacent channels in DVB-T
	8 groups of 2 adjacent channels in DVB-C
Output Frequencies	110…900 MHz (10 KHz step)
Output Level	90dBµV
Connector	75Ω - F, female
Output Attenuator	0…-30dB
DVB-T (OUT)	
Bandwidth	5, 6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
MER	More than 42dB @ Full Band
DVB-C (OUT)	
Constellation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Symbol rate	2.5-8.4 Ms/s
Channel step	3…10MHz
MER	More than 40dB @ Full Band
IP Streaming (OUT)	
IP TS Out	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps in IP only mode)
Type	Up to 128 x SPTS or 16 x MPTS
SDP/SAP Support	Yes
IP Streaming (IN)	
Optional	Requires extra license
IP TS In	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps)
Type	Up to 128 x SPTS or 16 x MPTS
IGMP snooping	Yes, v2 and v3
Programming Interface	
Operating system	Linux OS
Ethernet webserver	Yes, embedded webserver
Speed	100/1000 Mbps
Connector	RJ45
Browser compatibility	Chrome, Firefox, Safari, Opera, Edge et al.
EAN-13	
Code	5213009761888
General	
Power supply	115…230 VAC
Frequency range	47…63Hz
Number of power supplies	Up to two(2)
Hot-swap technology	Yes
Power supply consumption	~65VA
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	480 x 295 x 43.5mm
Mounting	1U rack
Weight	4.65 Kg

PROLINE

PLC-301

16 x DVB-S/S2/S2X + 8 x FlexCAM to 16 x DVB-T/C & IP

Features

- 16 x independent multi-standard inputs DVB-S/S2/S2X
- Multi-Stream and Multi-PLP support
- 8x Common Interfaces (FlexCAM technology)
- 16 x RF output DVB-T/C (software selectable)
- MER value > 45dB
- IPTV streaming (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- IPTV reception (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- SAP/SDP support
- "Pool" technology
- PID Filtering
- Custom NIT/SDT support
- PCR re-stamping, Correction
- EPG over RF and IP
- Very friendly user interface
- Fleex Embedded support (IPTV middleware)
- 1U Rack size
- Dual "Hot pluggable" power supplies
- 5 year warranty

The PLC-301 headend from the Pro Line series is an all-in-one solution that is highly advanced and versatile, designed to meet the changing needs of the broadcasting industry. With the capability to receive up to 16 independent satellite (DVB-S/S2/S2X) signals while supporting multi-stream reception, the device can convert them into 16 DVB-T/C RF output channels while providing 1x Gbit IPTV simultaneously streaming for distributing FTA TV and Radio programs.

The PLC-301 offers unparalleled flexibility in descrambling capabilities. It supports up to 8x Common Interfaces (CI) using the advanced FlexCAM technology, which allows users to connect them to either the inputs or outputs of the multiplexer. This innovative technology provides advanced descrambling flexibility, enabling the user to customize their broadcasting services to meet the unique needs of their audience.

For IPTV reception applications, the device can receive up to 128x SPTS or 16x MPTS and convert them to 16 DVB-T/C RF output channels with an extra license. The PLC-301 offers unmatched flexibility with its "pool" technology, enabling users to select any program from any of the 16 x inputs and assign it to any of the 16 x RF + IP outputs.

The PLC-301 is equipped with a powerful CPU (Quad core @ 1.8GHz / 2GB RAM), responsible for controlling the device using Linux OS while providing a friendly and incredibly fast user interface. It can be remotely or locally controlled via Ethernet, adding to the device's ease of use.

The compact 1U rack size of the PLC-301, combined with its advanced features, ensures that the device consumes the minimal rack space while it has the ability to accept dual "hot-pluggable" power supplies, adding an extra level of reliability and redundancy to ensure the device remains operational even in case of a power supply failure.

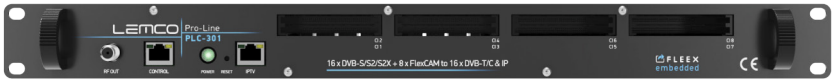
The PLC-301 can host an IPTV middleware (Fleex Embedded) without the need for any external server, enabling users to control all TV monitors in an installation, including LG, Samsung, Philips, and custom STBs, while offering a wide range of features such as Live TV, Live Radio, Info channels, Cast, Weather, Alarm, EPG, and many more.

Overall, the PLC-301 headend is an innovative and powerful device that provides advanced features and flexibility to deliver high-quality TV distribution. It's a great choice for cable TV companies, IPTV providers, hotels, hospitals, and other similar installations.

PROLINE

PLC-301

16 x DVB-S/S2/S2X + 8 x FlexCAM to 16 x DVB-T/C & IP



Input	
Type	16 x DVB-S/S2/S2X
Frequencies	950…2150 MHz
Connector	75Ω - F, female
Loop-through connector	Yes
LNB	
Voltage	OFF / 13V / 18V
Current	Less than 400mA (per input)
22 kHz signal	ON / OFF
22 kHz signal - Voltage	0.65V ± 0.35V
22 kHz signal - Frequency	22 KHz ± 4Hz
22 kHz signal - DiSEqC	1.0 (Port A, B, C, D)
DVB-S (IN)	
Symbol rate	1 - 45 MBaud
Roll off factor	0.35
Code rate	1/2, 2/3, 3/4, 5/6, 7/8 (Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
DVB-S2 (IN)	
Constellation	QPSK, 8PSK (Automatic)
Symbol rate	1 - 45 MBaud (QPSK) - 1 - 30 MBaud (8PSK)
Roll off factor	0.2 / 0.35 (Automatic)
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK-Automatic)
	3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK-Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
DVB-S2X (IN)	
Standard	EN302 307-1 V1.4.1
Constellation	QPSK, 8PSK (automatic)
Symbol rate	1 - 45 MBaud (QPSK) / 1 - 30 MBaud (8PSK)
Roll off factor	Anó 0.05 to 0.35 (automatic)
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK- automatic)
	3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK- automatic)
Multi-stream support	Yes
T2MI MPLP (multiple PLP) signa	Yes
CI Interface	
Number of Common Interfaces	8x (in total)
FlexCAM technology	Yes
Connectror	PCMCIA (front access)
Max. Frequency	77MHz
Transport Stream Processing	
Pool technology support	Yes
Services	User selection by service names or Service ID
Automatic regeneration	PAT, CAT, SDT, PMTs, EITs tables
NIT	Pass-through, custom, automatic
Custom NIT/SDT creation	Yes
PCR	Re-stamping
PCR correction	Yes
LCN support	Yes
PID filtering	Yes
EPG information	Yes over RF and IP

RF Output	
Type	16 x DVB-T or 16 x DVB-C RF channels
	2 groups of 8 adjacent channels in DVB-T
	8 groups of 2 adjacent channels in DVB-C
Output Frequencies	110…900 MHz (10 KHz step)
Output Level	90dBµV
Connector	75Ω - F, female
Output Attenuator	0…-30dB
DVB-T (OUT)	
Bandwidth	5, 6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
MER	More than 42dB @ Full Band
DVB-C (OUT)	
Constellation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Symbol rate	2.5-8.4 Ms/s
Channel step	3…10MHz
MER	More than 40dB @ Full Band
IP Streaming (OUT)	
IP TS Out	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps in IP only mode)
Type	Up to 128 x SPTS or 16 x MPTS
SDP/SAP Support	Yes
IP Streaming (IN)	
Optional	Requires extra license
IP TS In	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps)
Type	Up to 128 x SPTS or 16 x MPTS
IGMP snooping	Yes, v2 and v3
Programming Interface	
Operating system	Linux OS
Ethernet webserver	Yes, embedded webserver
Speed	100/1000 Mbps
Connector	RJ45
Browser compatibility	Chrome, Firefox, Safari, Opera, Edge et al.
EAN-13	
Code	5213009761895
General	
Power supply	115…230 VAC
Frequency range	47…63Hz
Number of power supplies	Up to two(2)
Hot-swap technology	Yes
Power supply consumption	~65VA
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	480 x 295 x 43.5mm
Mounting	1U rack
Weight	4.65 Kg

PROLINE

PLC-200

16 x DVB-S/S2/T/T2/C + 8 x FlexCAM to IP

Features

- 16 x independent multi-standard inputs DVB-S/S2/T/T2/C
- 8x Common Interfaces (FlexCAM technology)
- IPTV streaming (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- IPTV reception (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- SAP/SDP support
- "Pool" technology
- PID Filtering
- PCR re-stamping, Correction
- EPG over IP
- Very friendly user interface
- Fleex Embedded support (IPTV middleware)
- 1U Rack size
- Dual “Hot pluggable” power supplies
- 5 year warranty

The PLC-200 headend from the Pro Line series is an all-in-one solution that is highly advanced and versatile, designed to meet the changing needs of the broadcasting industry. With the capability to receive up to 16 independent satellite (DVB-S/S2), terrestrial (DVB-T/T2), or cable (DVB-C) signals, the device can convert them into 1x Gbit IPTV streaming for distributing FTA TV and Radio programs.

The PLC-200 offers unparalleled flexibility in descrambling capabilities. It supports up to 8x Common Interfaces (CI) using the advanced FlexCAM technology, which allows users to connect them to either the inputs or outputs of the multiplexer. This innovative technology provides advanced descrambling flexibility, enabling the user to customize their broadcasting services to meet the unique needs of their audience.

For IPTV reception applications, the device can receive up to 128x SPTS or 16x MPTS and convert them to 16 DVB-T/C RF output channels with an extra license. The PLC-200 offers unmatched flexibility with its "pool" technology, enabling users to select any program from any of the 16 x inputs and assign it to any of the IP outputs.

The PLC-200 is equipped with a powerful CPU (Quad core @ 1.8GHz / 2GB RAM), responsible for controlling the device using Linux OS while providing a friendly and incredibly fast user interface. It can be remotely or locally controlled via Ethernet, adding to the device's ease of use.

The compact 1U rack size of the PLC-200, combined with its advanced features, ensures that the device consumes the minimal rack space while it has the ability to accept dual “hot-pluggable” power supplies, adding an extra level of reliability and redundancy to ensure the device remains operational even in case of a power supply failure.

The PLC-200 can host an IPTV middleware (Fleex Embedded) without the need for any external server, enabling users to control all TV monitors in an installation, including LG, Samsung, Philips, and custom STBs, while offering a wide range of features such as Live TV, Live Radio, Info channels, Cast, Weather, Alarm, EPG, and many more.

Overall, the PLC-200 headend is an innovative and powerful device that provides advanced features and flexibility to deliver high-quality TV distribution. It's a great choice for cable TV companies, IPTV providers, hotels, hospitals, and other similar installations.

PROLINE

PLC-200

16 x DVB-S/S2/T/T2/C + 8 x FlexCAM to IP

Input	
Type	16 x DVB-S/S2/T/T2/C
Frequencies	950…2150 MHz DVB-S/S2
	118…900MHz DVB-T/T2/C
Connector	75Ω - F, female
Loop-through connector	No
LNB	
Voltage	OFF / 13V / 18V
Current	Less than 400mA (per input)
22 kHz signal	ON / OFF
22 kHz signal - Voltage	0.65V ± 0.35V
22 kHz signal - Frequency	22 KHz ± 4Hz
22 kHz signal - DiSEqC	1.0 (Port A, B, C, D)
DVB-S (IN)	
Symbol rate	1 - 45 MBaud
Roll off factor	0.35
Code rate	1/2, 2/3, 3/4, 5/6, 7/8 (Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
DVB-S2 (IN)	
Constellation	QPSK, 8PSK (Automatic)
Symbol rate	1 - 45 MBaud (QPSK) - 1 - 30 MBaud (8PSK)
Roll off factor	0.2 / 0.35 (Automatic)
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK-Automatic)
	3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK-Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
CI Interface	
Number of Common Interfaces	8x (in total)
FlexCAM technology	Yes
Connectror	PCMCIA (front access)
Max. Frequency	77MHz
DVB-T (IN)	
Bandwidth	6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
DVB-T2 (IN)	
Bandwidth	5, 6, 7, 8 MHz
Mode	1K, 2K, 4K, 8K, 16K, 32K (Included extended mode)
Constellation	QPSK, 16QAM, 64QAM, 256QAM
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6
Multi PLP support	Yes
DVB-C (Annex A,B,C)	
Bandwidth	5, 6, 7, 8 MHz
Mode	Automatic modulation detection
Constellation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Transport Stream Processing	
Pool technology support	Yes
Services	User selection by service names or Service ID
Automatic regeneration	PAT, CAT, SDT, PMTs, EITs tables
NIT	Pass-through, custom, automatic
Custom NIT/SDT creation	Yes
PCR	Re-stamping
PCR correction	Yes
LCN support	Yes
PID filtering	Yes
EPG information	Yes over RF and IP

IP Streaming (OUT)	
IP TS Out	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps in IP only mode)
Type	Up to 128 x SPTS or 16 x MPTS
SDP/SAP Support	Yes
IP Streaming (IN)	
Optional	Requires extra license
IP TS In	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps)
Type	Up to 128 x SPTS or 16 x MPTS
IGMP snooping	Yes, v2 and v3
Programming Interface	
Operating system	Linux OS
Ethernet webserver	Yes, embedded webserver
Speed	100/1000 Mbps
Connector	RJ45
Browser compatibility	Chrome, Firefox, Safari, Opera, Edge et al.
EAN-13	
Code	5213009761833
General	
Power supply	115…230 VAC
Frequency range	47…63Hz
Number of power supplies	Up to two(2)
Hot-swap technology	Yes
Power supply consumption	~60VA
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	480 x 295 x 43.5mm
Mounting	1U rack
Weight	4.35 Kg

PROLINE

PLC-201

16 x DVB-S/S2/S2X + 8 x FlexCAM to IP

Features

- 16 x independent multi-standard inputs DVB-S/S2/S2X
- Multi-Stream and Multi-PLP support
- 8x Common Interfaces (FlexCAM technology)
- IPTV streaming (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- IPTV reception (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- SAP/SDP support
- "Pool" technology
- PID Filtering
- PCR re-stamping, Correction
- EPG over IP
- Very friendly user interface
- Fleex Embedded support (IPTV middleware)
- 1U Rack size
- Dual "Hot pluggable" power supplies
- 5 year warranty

The PLC-201 headend from the Pro Line series is an all-in-one solution that is highly advanced and versatile, designed to meet the changing needs of the broadcasting industry. With the capability to receive up to 16 independent satellite (DVB-S/S2/S2X) signals while supporting multi-stream reception, the device can convert them into 1x Gbit IPTV streaming for distributing FTA TV and Radio programs.

The PLC-201 offers unparalleled flexibility in descrambling capabilities. It supports up to 8x Common Interfaces (CI) using the advanced FlexCAM technology, which allows users to connect them to either the inputs or outputs of the multiplexer. This innovative technology provides advanced descrambling flexibility, enabling the user to customize their broadcasting services to meet the unique needs of their audience.

For IPTV reception applications, the device can receive up to 128x SPTS or 16x MPTS and convert them to 16 DVB-T/C RF output channels with an extra license. The PLC-201 offers unmatched flexibility with its "pool" technology, enabling users to select any program from any of the 16 x inputs and assign it to any of the IP outputs.

The PLC-201 is equipped with a powerful CPU (Quad core @ 1.8GHz / 2GB RAM), responsible for controlling the device using Linux OS while providing a friendly and incredibly fast user interface. It can be remotely or locally controlled via Ethernet, adding to the device's ease of use.

The compact 1U rack size of the PLC-201, combined with its advanced features, ensures that the device consumes the minimal rack space while it has the ability to accept dual "hot-pluggable" power supplies, adding an extra level of reliability and redundancy to ensure the device remains operational even in case of a power supply failure.

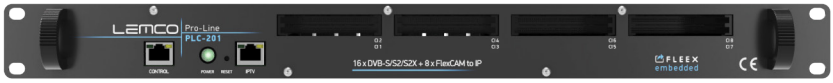
The PLC-201 can host an IPTV middleware (Fleex Embedded) without the need for any external server, enabling users to control all TV monitors in an installation, including LG, Samsung, Philips, and custom STBs, while offering a wide range of features such as Live TV, Live Radio, Info channels, Cast, Weather, Alarm, EPG, and many more.

Overall, the PLC-201 headend is an innovative and powerful device that provides advanced features and flexibility to deliver high-quality TV distribution. It's a great choice for cable TV companies, IPTV providers, hotels, hospitals, and other similar installations.

PROLINE

PLC-201

16 x DVB-S/S2/S2X + 8 x FlexCAM to IP



Input	
Type	16 x DVB-S/S2/S2X
Frequencies	950…2150 MHz
Connector	75Ω - F, female
Loop-through connector	Yes
LNB	
Voltage	OFF / 13V / 18V
Current	Less than 400mA (per input)
22 kHz signal	ON / OFF
22 kHz signal - Voltage	0.65V ± 0.35V
22 kHz signal - Frequency	22 KHz ± 4Hz
22 kHz signal - DiSEqC	1.0 (Port A, B, C, D)
DVB-S (IN)	
Symbol rate	1 - 45 MBaud
Roll off factor	0.35
Code rate	1/2, 2/3, 3/4, 5/6, 7/8 (Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
DVB-S2 (IN)	
Constellation	QPSK, 8PSK (Automatic)
Symbol rate	1 - 45 MBaud (QPSK) - 1 - 30 MBaud (8PSK)
Roll off factor	0.2 / 0.35 (Automatic)
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK-Automatic)
	3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK-Automatic)
Spectral inversion	Reverse, Non-reverse (Automatic)
DVB-S2X (IN)	
Standard	EN302 307-1 V1.4.1
Constellation	QPSK, 8PSK (automatic)
Symbol rate	1 - 45 MBaud (QPSK) / 1 - 30 MBaud (8PSK)
Roll off factor	Aná 0.05 to 0.35 (automatic)
Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK- automatic)
	3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK- automatic)
Multi-stream support	Yes
T2MI MPLP (multiple PLP) signa	Yes
CI Interface	
Number of Common Interfaces	8x (in total)
FlexCAM technology	Yes
Connectror	PCMCIA (front access)
Max. Frequency	77MHz
Transport Stream Processing	
Pool technology support	Yes
Services	User selection by service names or Service ID
Automatic regeneration	PAT, CAT, SDT, PMTs, EITs tables
NIT	Pass-through, custom, automatic
Custom NIT/SDT creation	Yes
PCR	Re-stamping
PCR correction	Yes
LCN support	Yes
PID filtering	Yes
EPG information	Yes over RF and IP

IP Streaming (OUT)	
IP TS Out	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps in IP only mode)
Type	Up to 128 x SPTS or 16 x MPTS
SDP/SAP Support	Yes
IP Streaming (IN)	
Optional	Requires extra license
IP TS In	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps)
Type	Up to 128 x SPTS or 16 x MPTS
IGMP snooping	Yes, v2 and v3
Programming Interface	
Operating system	Linux OS
Ethernet webserver	Yes, embedded webserver
Speed	100/1000 Mbps
Connector	RJ45
Browser compatibility	Chrome, Firefox, Safari, Opera, Edge et al.
EAN-13	
Code	5213009761840
General	
Power supply	115…230 VAC
Frequency range	47…63Hz
Number of power supplies	Up to two(2)
Hot-swap technology	Yes
Power supply consumption	~65VA
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	480 x 295 x 43.5mm
Mounting	1U rack
Weight	4.55 Kg

PRO LINE

PLH *series*

Pro Line – HDMI series

The PLH series is a part of the Pro Line headends product line that provides models with advanced flexibility and HDMI interfaces. These models offer two options - RF+IP or IP Only - for seamless integration with a wide range of applications. This feature-rich series is designed to meet the evolving needs of the broadcasting industry and offer a superior viewing experience to the end-users.

PROLINE

PLH-300

16 x HDMI to 16 x DVB-T/C & IP

Features

- 16 x HDMI inputs
- Full HD H.264 encoding
- HDCP v1.4 support
- 16 x RF output DVB-T/C (software selectable)
- MER value > 45dB
- IPTV streaming (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- IPTV reception (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- SAP/SDP support
- "Pool" technology
- PID Filtering
- Custom NIT/SDT support
- Very friendly user interface
- Fleex Embedded support (IPTV middleware)
- 1U Rack size
- Dual "Hot pluggable" power supplies
- 5 year warranty

The PLH-300 headend from the Pro Line series is an all-in-one solution that is highly advanced and versatile, designed to meet the changing needs of the broadcasting industry. With the capability to receive up to 16 independent HDMI inputs while supporting HDCP technology, the device can convert them into 16 DVB-T/C RF output channels while providing 1x Gbit IPTV simultaneously streaming for distributing FTA TV and Radio programs.

For IPTV reception applications, the device can receive up to 128x SPTS or 16x MPTS and convert them to 16 DVB-T/C RF output channels with an extra license. The PLH-300 offers unmatched flexibility with its "pool" technology, enabling users to select any program from any of the 16 x inputs and assign it to any of the 16 x RF + IP outputs.

The PLH-300 is equipped with a powerful CPU (Quad core @ 1.8GHz / 2GB RAM), responsible for controlling the device using Linux OS while providing a friendly and incredibly fast user interface. It can be remotely or locally controlled via Ethernet, adding to the device's ease of use.

The compact 1U rack size of the PLH-300, combined with its advanced features, ensures that the device consumes the minimal rack space while it has the ability to accept dual "hot-pluggable" power supplies, adding an extra level of reliability and redundancy to ensure the device remains operational even in case of a power supply failure.

The PLH-300 can host an IPTV middleware (Fleex Embedded) without the need for any external server, enabling users to control all TV monitors in an installation, including LG, Samsung, Philips, and custom STBs, while offering a wide range of features such as Live TV, Live Radio, Info channels, Cast, Weather, Alarm, EPG, and many more.

Overall, the PLH-300 headend is an innovative and powerful device that provides advanced features and flexibility to deliver high-quality TV distribution. It's a great choice for cable TV companies, IPTV providers, hotels, hospitals, and other similar installations.

PROLINE

PLH-300

16 x HDMI to 16 x DVB-T/C & IP

Input	
Type	16 x HDMI
Video	
Video coding	MPEG-4 AVC / H.264
Profile	High profile 4.0
Input resolution	Up to 1920 1080 - 50/60 p & i
Output resolution	Up to 1920 1080 - 30p
HDCP support	Yes, v1.4
Audio	
Audio	HD
Standard	MPEG-1 Layer II
Audio Bit Rate	64, 96, 128, 192, 256, 320 Kbps
Format	MPEG2, AAC, AC3
H.264 encoder	
Standard	MPEG-4 AVC / H.264
Bit Rate	1 – 19 Mbps adjustable
Configurable Parameters	Service Name, Service ID
LCN processing	Yes
Transport Stream Processing	
Pool technology support	Yes
Services	User selection by service names or Service ID
Automatic regeneration	PAT, CAT, SDT, PMTs, EITs tables
NIT	Pass-through, custom, automatic
Custom NIT/SDT creation	Yes
LCN support	Yes
PID filtering	Yes
RF Output	
Type	16 DVB-T or 16 x DVB-C RF channels
	2 groups of 8 adjacent channels in DVB-T
	8 groups of 2 adjacent channels in DVB-C
Output Frequencies	110…900 MHz (10 KHz step)
Output Level	90dBµV
Connector	75Ω - F, female
Output Attenuator	0…-30dB
DVB-T (OUT)	
Bandwidth	5, 6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
MER	More than 42dB @ Full Band
DVB-C (OUT)	
Constellation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Symbol rate	2.5-8.4 Ms/s
Channel step	3…10MHz
MER	More than 40dB @ Full Band

IP Streaming (OUT)	
IP TS Out	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps in IP only mode)
Type	Up to 16 x SPTS or 16 x MPTS
SDP/SAP Support	Yes
IP Streaming (IN)	
Optional	Requires extra license
IP TS In	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps)
Type	128 x SPTS or 16 x MPTS
IGMP snooping	Yes, v2 and v3
Programming Interface	
Operating system	Linux OS
Ethernet webserver	Yes, embedded webserver
Speed	100/1000 Mbps
Connector	RJ45
Browser compatibility	Chrome, Firefox, Safari, Opera, Edge et al.
EAN-13	
Code	5213009761901
General	
Power supply	115…230 VAC
Frequency range	47…63Hz
Number of power supplies	Up to two(2)
Hot-swap technology	Yes
Power supply consumption	~60VA
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	480 x 295 x 43.5mm
Mounting	1U rack
Weight	4.20 Kg

PROLINE

PLH-200

16 x HDMI to IP

Features

- 16 x HDMI inputs
- Full HD H.264 encoding
- HDCP v1.4 support
- IPTV streaming (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- IPTV reception (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- SAP/SDP support
- "Pool" technology
- PID Filtering
- Very friendly user interface
- Fleex Embedded support (IPTV middleware)
- 1U Rack size
- Dual "Hot pluggable" power supplies
- 5 year warranty

The PLH-200 headend from the Pro Line series is an all-in-one solution that is highly advanced and versatile, designed to meet the changing needs of the broadcasting industry. With the capability to receive up to 16 independent HDMI inputs while supporting HDCP technology, the device can convert them into 1x Gbit IPTV streaming for distributing FTA TV and Radio programs.

For IPTV reception applications, the device can receive up to 128x SPTS or 16x MPTS and convert them to 16 DVB-T/C RF output channels with an extra license. The PLH-200 offers unmatched flexibility with its "pool" technology, enabling users to select any program from any of the 16 x inputs and assign it to any of the 16 x RF + IP outputs.

The PLH-200 is equipped with a powerful CPU (Quad core @ 1.8GHz / 2GB RAM), responsible for controlling the device using Linux OS while providing a friendly and incredibly fast user interface. It can be remotely or locally controlled via Ethernet, adding to the device's ease of use.

The compact 1U rack size of the PLH-200, combined with its advanced features, ensures that the device consumes the minimal rack space while it has the ability to accept dual "hot-pluggable" power supplies, adding an extra level of reliability and redundancy to ensure the device remains operational even in case of a power supply failure.

The PLH-200 can host an IPTV middleware (Fleex Embedded) without the need for any external server, enabling users to control all TV monitors in an installation, including LG, Samsung, Philips, and custom STBs, while offering a wide range of features such as Live TV, Live Radio, Info channels, Cast, Weather, Alarm, EPG, and many more.

Overall, the PLH-200 headend is an innovative and powerful device that provides advanced features and flexibility to deliver high-quality TV distribution. It's a great choice for cable TV companies, IPTV providers, hotels, hospitals, and other similar installations.

PROLINE

PLH-200

16 x HDMI to IP

Input	
Type	16 x HDMI
Video	
Video coding	MPEG-4 AVC / H.264
Profile	High profile 4.0
Input resolution	Up to 1920 1080 - 50/60 p & i
Output resolution	Up to 1920 1080 - 30p
HDCP support	Yes, v1.4
Audio	
Audio	HD
Standard	MPEG-1 Layer II
Audio Bit Rate	64, 96, 128, 192, 256, 320 Kbps
Format	MPEG2, AAC, AC3
H.264 encoder	
Standard	MPEG-4 AVC / H.264
Bit Rate	1 – 19 Mbps adjustable
Configurable Parameters	Service Name, Service ID
LCN processing	Yes
Transport Stream Processing	
Pool technology support	Yes
Services	User selection by service names or Service ID
Automatic regeneration	PAT, CAT, SDT, PMTs, EITs tables
NIT	Pass-through, custom, automatic
Custom NIT/SDT creation	Yes
LCN support	Yes
PID filtering	Yes
IP Streaming (OUT)	
IP TS Out	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps in IP only mode)
Type	Up to 16 x SPTS or 16 x MPTS
SDP/SAP Support	Yes

IP Streaming (IN)	
Optional	Requires extra license
IP TS In	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (480 Mbps)
Type	128 x SPTS or 16 x MPTS
IGMP snooping	Yes, v2 and v3
Programming Interface	
Operating system	Linux OS
Ethernet webserver	Yes, embedded webserver
Speed	100/1000 Mbps
Connector	RJ45
Browser compatibility	Chrome, Firefox, Safari, Opera, Edge et al.
EAN-13	
Code	5213009761857
General	
Power supply	115…230 VAC
Frequency range	47…63Hz
Number of power supplies	Up to two(2)
Hot-swap technology	Yes
Power supply consumption	~60VA
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	480 x 295 x 43.5mm
Mounting	1U rack
Weight	4.10 Kg

PRO LINE

PLI*series*

Pro Line – IP series

The PLI series is a part of the Pro Line headends product line that provides models with advanced flexibility and IP input only capabilities. The provided model offers two options - RF+IP or IP Output Only - for seamless integration with a wide range of applications. This feature-rich series is designed to meet the evolving needs of the broadcasting industry and offer a superior viewing experience to the end-users.

PROLINE

PLI-400

IP 128SPTS (UDP/RTP) to 16 x DVB-T/C

Features

- IPTV reception (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- 16 x RF output DVB-T/C (software selectable)
- MER value > 45dB
- IPTV streaming (up to 128 x SPTS / 16 x MPTS) @ 800Mpbs
- SAP/SDP support
- "Pool" technology
- PID Filtering
- Custom NIT/SDT support
- PCR re-stamping, Correction
- EPG over RF and IP
- Very friendly user interface
- Fleex Embedded support (IPTV middleware)
- 1U Rack size
- Dual "Hot pluggable" power supplies
- 5 year warranty

The PLI-400 headend from the Pro Line series is an all-in-one solution that is highly advanced and versatile, designed to meet the changing needs of the broadcasting industry. With the capability to receive up to 128 x SPTS / 16 x MPTS IPTV signals, the device can convert them into 16 DVB-T/C RF output channels while providing 1x Gbit IPTV simultaneously streaming for distributing FTA TV and Radio programs.

The PLI-400 is equipped with a powerful CPU (Quad core @ 1.8GHz / 2GB RAM), responsible for controlling the device using Linux OS while providing a friendly and incredibly fast user interface. It can be remotely or locally controlled via Ethernet, adding to the device's ease of use.

The compact 1U rack size of the PLI-400, combined with its advanced features, ensures that the device consumes the minimal rack space while it has the ability to accept dual "hot-pluggable" power supplies, adding an extra level of reliability and redundancy to ensure the device remains operational even in case of a power supply failure.

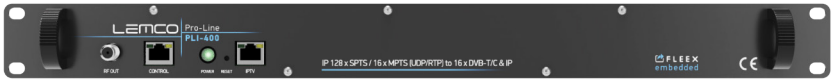
The PLI-400 can host an IPTV middleware (Fleex Embedded) without the need for any external server, enabling users to control all TV monitors in an installation, including LG, Samsung, Philips, and custom STBs, while offering a wide range of features such as Live TV, Live Radio, Info channels, Cast, Weather, Alarm, EPG, and many more.

Overall, the PLI-400 headend is an innovative and powerful device that provides advanced features and flexibility to deliver high-quality TV distribution. It's a great choice for cable TV companies, IPTV providers, hotels, hospitals, and other similar installations.

PROLINE

PLI-400

IP 128SPTS (UDP/RTP) to 16 x DVB-T/C



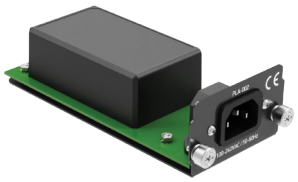
IP Streaming (IN)	
Optional	Requires extra license
IP TS In	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps)
Type	128 x SPTS or 16 x MPTS
IGMP snooping	Yes, v2 and v3
Transport Stream Processing	
Pool technology support	Yes
Services	User selection by service names or Service ID
Automatic regeneration	PAT, CAT, SDT, PMTs, EITs tables
NIT	Pass-through, custom, automatic
Custom NIT/SDT creation	Yes
PCR	Re-stamping
PCR correction	Yes
LCN support	Yes
PID filtering	Yes
EPG information	Yes over RF and IP
RF Output	
Type	16 x DVB-T or 16 x DVB-C RF channels
	2 groups of 8 adjacent channels in DVB-T
	8 groups of 2 adjacent channels in DVB-C
Output Frequencies	110…900 MHz (10 KHz step)
Output Level	90dBµV
Connector	75Ω - F, female
Output Attenuator	0…-30dB
DVB-T (OUT)	
Bandwidth	5, 6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
MER	More than 42dB @ Full Band
DVB-C (OUT)	
Constellation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Symbol rate	2.5-8.4 Ms/s
Channel step	3…10MHz
MER	More than 40dB @ Full Band

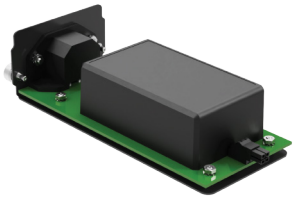
IP Streaming (OUT)	
IP TS Out	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (800 Mbps in IP only mode)
Type	128 x SPTS or 16 x MPTS
SDP/SAP Support	Yes
Programming Interface	
Operating system	Linux OS
Ethernet webserver	Yes, embedded webserver
Speed	100/1000 Mbps
Connector	RJ45
Browser compatibility	Chrome, Firefox, Safari, Opera, Edge et al.
EAN-13	
Code	5213009761918
General	
Power supply	115…230 VAC
Frequency range	47…63Hz
Number of power supplies	Up to two(2)
Hot-swap technology	Yes
Power supply consumption	~40VA
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	480 x 295 x 43.5mm
Mounting	1U rack
Weight	3.75 Kg

PROLINE

PLA-002

External power supply for Pro Line series





The PLA-002 power supply is a highly reliable and efficient device that provides uninterrupted power supply to Pro Line headend series. Despite its compact size, the PLA-002 delivers impressive power output, ensuring that even the most demanding broadcasting operations run smoothly.

Designed with safety in mind, the PLA-002 is equipped with advanced protection features that safeguard against overloading, overheating, and short-circuiting. This ensures that the device remains operational, even in the event of unexpected power surges or failures.

In addition to its impressive technical capabilities, the PLA-002 is also incredibly easy to install and maintain, making it a popular choice among broadcasting professionals.

Input power	
Voltage range	110…240VAC
Frequency range	50/60Hz
Leakage current	< 0.25mA @ 240VAC
Output power	
Voltage	12VDC
Current	6.7A max.
Ripple & Noise	120mVp-p
Protection	
Overload	115-160% rated output power
Over-voltage	12.6-16.2V
Type	Shut-Down, Re-power on to recover
EAN-13	
Code	5213009761932
General	
Vibration	B :10 ~ 500Hz, G 10min./1cycle, period for 60min. lank 2 each along X, Y, Z axes
	ST:10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes
Safety standards	IEC62368-1, IEC60335-1,Dekra BS EN/EN60335-1,BS EN/EN62368-1,UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved
Operating temperature	0 °C to 60 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	162 x 70 x 41mm
Mounting	Pro Line series
Weight	0.35 Kg

PRO LINE

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