



ENTRA EN EL MUNDO EK  
EXCLUSIVO PARA PROFESIONALES

# PROFESSIONAL NETWORKING AND CONNECTIVITY SOLUTIONS

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 [www.ek.plus](http://www.ek.plus)

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2024

## ABOUT US



**Ekselans by ITS (EK)** is the brand of ITS Partner, a Spanish industrial group comprised of four companies dedicated to R&D, software engineering, electronic design, and manufacturing of professional solutions for the telecommunications sector.

The EK catalog covers a broad range of products, allowing professional installers and integrators to successfully delve into multiple business areas.



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Sant Cugat del Vallès, Barcelona



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-Barcelona



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Las Palmas G.C.



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-Portugal  
-Francia

## WHY CHOOSE US?



01 European technology company with a **significant R&D investment**



02 Face-to-face and online training programs (**EK Webinar Academy**)



03 Best-in-class **technical support**



04 Commercial approach exclusively **to professionals**



05 Continuous business growth opportunities with **new technological solutions**



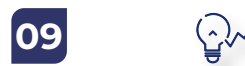
06 Wide range of solution and real alternative **to others market players**



07 Excellent **quality/price** relationship and great retail margins



08 Continuous and qualified **commercial support**



09 **Recognized reliability** throughout hundreds of **implemented projects**



10 Full process support during **new projects deployment**. "Zero problems" policy

## THE EK RANGE

- 01** 

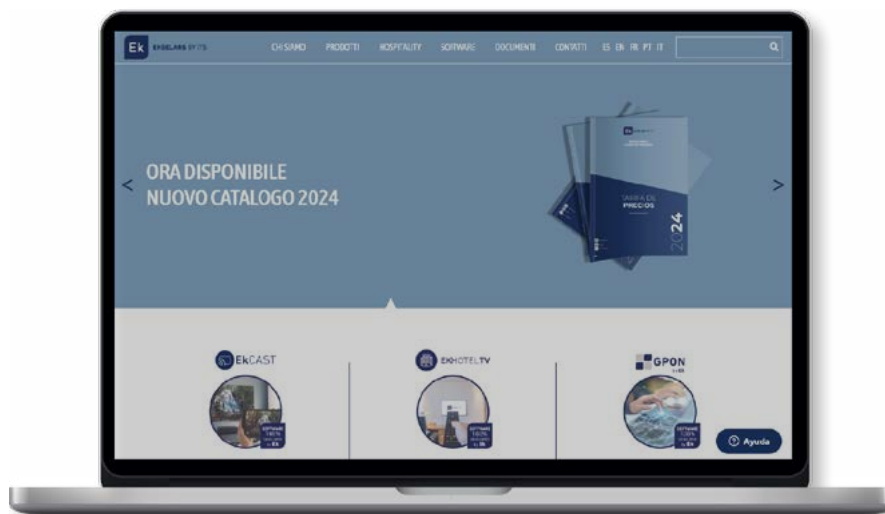
WiFi, switches, 4g routers and lan cables
- 02** 

HOTSPOT captive portal and network audit
- 03** 


EKOAX Ethernet over Coaxial
- 04** 


GPON - solutions for hospitality, residential, industry and smart cities


Visit the EK website to view the full catalog of solutions





## BUSINESS AREAS


- 01** 


**SMATV distribution, fiber and data** in residential and building sector
- 02** 


**Video Door Entry and Access Control**
- 03** 


**Data network and television integration. Professional IPTV and OTT servers**
- 04** 

**High-speed communication networks in tertiary sector**
- 05** 

**High-speed communication networks for Industry 4.0**
- 06** 

**Global telecommunication solutions and multiservice in hospitality sector**
- 07** 

**Advanced network systems for Smart Cities**
- 08** 

**Entertainment and remote assistance solutions in Healthcare sector**
- 09** 

**Professional sensing for industrial and residential environments**

Ek states that the products of this price list are those that appear in the technical data sheets of the same. Ek declines responsibility that could be derived from possible errors or omissions.

Ek reserves the right to make technical updates or change product specifications without prior notice, with the aim of improving the characteristics or reliability of the products.

The technical sheets, manuals, images and product declarations of conformity are available at **[www.ek.plus](http://www.ek.plus)**

**E** DISCONTINUED

**N** NEW



# 01

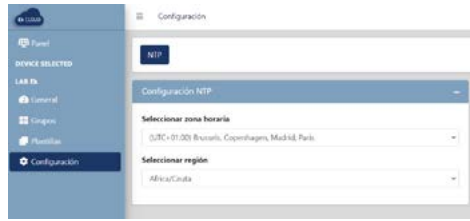
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WiFi, SWITCHES,  
4G ROUTERS AND  
LAN CABLES

**TR**  
ACCESS POINTS  
PROFESSIONAL WIFI

**SOFTWARE**  
**100%**  
DEVELOPED  
by Ek

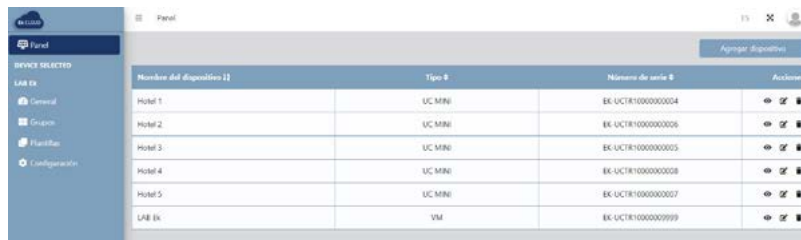
**Ek CLOUD**



- ✓ Remote management of the installation without opening ports on the router
- ✓ Control of multiple installations with a single user account
- ✓ Own cloud server under Ek control
- ✓ Compatible with all models of Ek Online controller
- ✓ Simple and intuitive management interface
- ✓ No added costs

**3 YEARS  
FREE  
ACCESS\***

\*For online controllers



**WIFI ACCESS POINTS SYSTEM**

**HIGH DENSITY INDOOR ACCESS POINTS - PROFESSIONAL TR SERIES**

|        |                       |  |      |
|--------|-----------------------|--|------|
| 331001 | TR 2200<br><b>E</b>   | Access Point 2T2R, 27dBm 2,4GHz/5 GHz. 2200Mbps (400+900+900), WiFi 802.11 b/g/n/ac Wave 2, PoE 48V. 2 ports 10/100/1000Mbps. High density | 1    |
| 331017 | TR 3000W6<br><b>N</b> | WiFi 6 2.4/5GHz access point. 3000Mbps (600+2400Mbps), 24dBm, WiFi 802.11 b/g/n/ac/ax 2 GE ports, PoE 48V. Wave2. High density             | 1/10 |

**INDOOR ACCESS POINTS - PROFESSIONAL TR SERIES**

|        |         |   |   |
|--------|---------|---|---|
| 331006 | TR 750  | Access Point 2T2R, 27dBm 2,4GHz/5 GHz. 750Mbps, WiFi 802.11 b/g/n/ac Wave 2, PoE 48V. 2 RJ45 ports.   | 1 |
| 331007 | TR 1200 | Access Point 2T2R, 2,4GHz/5 GHz. 1200Mbps, 30dBm, WiFi 802.11 b/g/n/ac Wave 2, PoE 48V. 2 RJ45 ports. | 1 |

**OMNIDIRECTIONAL OUTDOOR ACCESS POINTS - PROFESSIONAL TR SERIES**

|        |                           |  |      |
|--------|---------------------------|--|------|
| 331008 | TR 1200 OLP               | Omnidirectional outdoor access point, 27 dBm, 1200Mbps, WiFi 802.11 b/g/n/ac 2,4 / 5 GHz.. 2 ports 10/100/1000Mbps. PoE 48Vdc. | 1/10 |
| 331018 | TR 3000W6 OLP<br><b>N</b> | Omnidirectional outdoor access point. 27dBm, 2 10/100/1000 ports, 3000Mbps. WiFi 6 2.4/5GHz. PoE 48Vdc                         | 1/10 |

**LAN CONTROLLER - PROFESSIONAL TR SERIES**

|        |         |  |   |
|--------|---------|--|---|
| -      | CSW     | PC software for TR series control and provisioning. Offline version. Available at <a href="http://www.ek.plus/software">www.ek.plus/software</a> | - |
| 331009 | UC MINI | Desktop format control and provisioning unit. Power supply from PC or included. Maximum 50 access points   | 1 |
| 331002 | UC TRB  | Desktop format control and provisioning unit. Power supply included. Maximum 300 access points   | 1 |
| 331003 | UC TR   | Control and provisioning unit compatible with CM modular headend. Maximum 300 access points  | 1 |



TR 300W6



TR 3000W6 OLP



UC MINI



UC TRB

|        |         |   |   |
|--------|---------|---|---|
| 331010 | UC RACK | 19" rack format control and provisioning unit. Maximum 300 access points  | 1 |
| 331011 | UC EK   | 19" rack format control and provisioning unit. Maximum 2000 access points | 1 |

Ver información adicional en página 74

|        |         |  |   |
|--------|---------|--|---|
| 082010 | FA 55   | Power supply 5Vdc - 5A for UC TR / UC HS                 | 1 |
| 080008 | CH 3 TR | Wall-mount support, 3 units (2 modules + 1 power supply) | 1 |
| 311008 | EK SOP  | Servers remote support and commissioning                 | 1 |



UC HS MINI



UC HS19



AP 300 LP



CPE 300-24V2



POE 48



ODU LTE 4G



SIM card

**LAN CONTROLLER + HOTSPOT - PROFESSIONAL TR SERIES**

|        |            |   |   |
|--------|------------|---|---|
| 331012 | UC HS MINI | Control and provisioning unit + professional HotSpot in desktop format. Power supply included. Maximum 16 access points + 80 simultaneous users | 1 |
| 331004 | UC HS      | Control and provisioning unit + professional HotSpot in CM modular format. Maximum 25 access points + 100 simultaneous users                    | 1 |
| 331005 | UC HS19    | Control and provisioning unit + professional HotSpot in 19" rack format. Maximum 25 access points + 100 simultaneous users                      | 1 |
| 331013 | UC HS RACK | Control and provisioning unit + professional HotSpot in 19" rack format. Maximum 250 access points + 500 simultaneous users                     | 1 |

**INDOOR ACCESS POINTS - AP SERIES**

|        |           |   |      |
|--------|-----------|---|------|
| 330004 | AP 300 LP | Access Point 2T2R, 2,4GHz, 23dBm. 300Mbps, WiFi 802.11 b/g/n, PoE 24V, 1 port RJ45, power injector included | 1/20 |
|--------|-----------|---|------|

**OUTDOOR APs FOR POINT-TO-POINT LINKS - CPE SERIES**

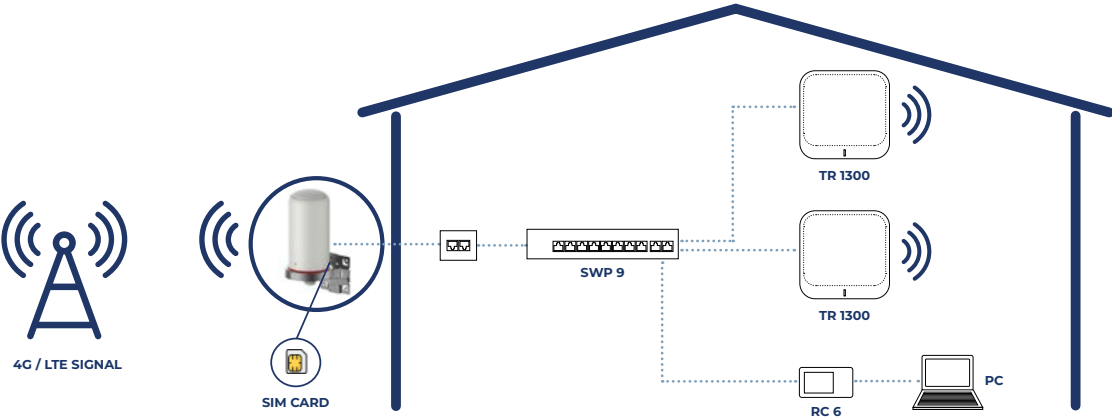
|        |              |  |      |
|--------|--------------|--|------|
| 333013 | CPE 300-24V2 | KIT 2 units point-to-point outdoor access points. 20dBm 300Mbps. 2,4GHz WiFi 802.11 b/g/n. PoE 24Vdc. 1 port RJ45, PoE injector included | 1/10 |
|--------|--------------|--|------|

**POE INJECTORS**

|        |        |  |       |
|--------|--------|--|-------|
| 332001 | POE 24 | PoE injector 24Vdc/1A. 10/100 Mbps         | 1/100 |
| 332002 | POE 48 | PoE injector 48Vdc/0,5A. 100/100/1000 Mbps | 1/90  |

**OUTDOOR 4G ROUTER - ODU**

|        |            |  |      |
|--------|------------|--|------|
| 333014 | ODU LTE 4G | 4G LTE. Cat 16 omnidirectional outdoor router with support included. TDD DownLink 700Mbps UpLink 30Mbps. FDD DownLink 900Mbps UpLink 150Mbps. PoE in:19V/1,26A included. | 1/48 |
|--------|------------|--|------|



Ek

MANAGEABLE L2+



SWG 24 L2



SWP 5



SWP 26



SW5 BP

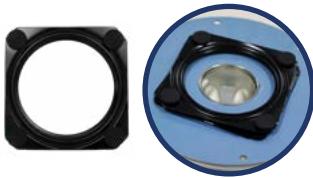


SW8 M



Ek ROLLER

CLUR 6 CUD



Ek ROLLER



EK ROLLER COIL UNWINDING

**SWITCHES**

**MANAGED SWITCH**

|        |           |   |     |
|--------|-----------|---|-----|
| 334200 | SWG 24 L2 | Ethernet Layer2+ Managed Switch . 24 ports x 1Gbps Ethernet + 4 x SFP 1Gbps | 1/5 |
|--------|-----------|---|-----|

**PoE SWITCHES**

|        |        |   |      |
|--------|--------|---|------|
| 334001 | SWP 5  | Switch PoE 4 ports. 4x10/100/1000Mbps. PoE IEEE802.3af/at. 1 uplink port 10/100/1000 Mbps, 1 uplink port SFP. 96W | 1/10 |
| 334002 | SWP 9  | Switch PoE 8 ports. 8x10/100/1000Mbps PoE IEEE802.3af/at. 2 uplink ports 10/100/1000 Mbps. 120W                   | 1/10 |
| 334003 | SWP 26 | Switch PoE 24 ports. 24x10/100/1000Mbps. PoE IEEE802.3af/at. 2 uplink port 10/100/1000 Mbps, 2 uplink port SFP.   | 10   |

**SWITCHES GIGABIT**

|        |        |  |      |
|--------|--------|--|------|
| 334100 | SW5 BP | Switch Ethernet 5 ports. 10 /100/1000. Plastic housing | 1/50 |
| 334101 | SW8 M  | Switch Ethernet 8 ports. 10 /100/1000. Metal housing   | 1/50 |
| 334102 | SW24 M | Switch Ethernet 24 ports. 10 /100/1000. 19" Rack       | 1/5  |

**LAN CABLE**

**LAN CABLE CAT6 EK ROLLER**

|        |                |   |          |
|--------|----------------|---|----------|
| 390018 | CLUR 6 CUD     | LAN cable Cat6 U/UTP CU white LSZH CPR Dca. 305m wooden drum for EK ROLLER          | 1/36/72  |
| 390026 | CLUR 6 CUD/500 | LAN cable Cat6 U/UTP CU white LSZH CPR Dca. 500m wooden drum for EK ROLLER          | 1/36/72  |
| 390019 | CLUR 6 CU-E    | LAN Cable Cat6 U/UTP CU Outdoor UV-PE black CPR Fca. 305m wooden drum for EK ROLLER | 1/36/72  |
| 390022 | CLUR 6 CUB     | LAN Cable Cat6 U/UTP CU white LZSH CPR B2ca. 305m wooden drum for EK ROLLER         | 1/36/72  |
| 390017 | CLUR 6 CCA     | LAN Cable Cat6 U/UTP CCA CPR Eca. 305m wooden drum for EK ROLLER                    | 1/36/72  |
| 390016 | CLUR 6 CCA-100 | LAN Cable Cat6 U/UTP CCA CPR Eca. 100 m reel for EK ROLLER                          | 1/72/144 |

**LAN CABLE CAT6A EK ROLLER**

|        |             |  |         |
|--------|-------------|--|---------|
| 390023 | CLUR 6A CUD | LAN Cable Cat6A U/UTP CU white LZSH CPR Dca. 305m wooden drum for EK ROLLER  | 1/36/72 |
| 390024 | CLUR 6AB    | LAN Cable Cat6A U/UTP CU white LZSH CPR B2ca. 305m wooden drum for EK ROLLER | 1/36/72 |

**LAN CABLE PULL-BOX**

|        |           |  |         |
|--------|-----------|--|---------|
| 390010 | CLU 6 CUD | LAN cable Cat6 U/UTP CU white LSZH CPR Dca, pull-box 305m  | 1/36/72 |
| 390003 | CLU 6A    | LAN cable Cat6A U/UTP CU white LSZH CPR Eca, pull-box 305m | 1/30/60 |



**TERMINAL BOXES AND CONNECTORS**

|        |            |   |         |
|--------|------------|---|---------|
| 393021 | R C6       | Data terminal rosette box with dust cap for RJ45 keystone (not included).             | 1/16    |
| 393001 | KJ C6      | Cat6 UTP keystone jack for R C6. Assembly with H KJ tool. Not compatible with PP 24 S | 25/100  |
| 393005 | KJ C6A     | Cat6A UTP keystone jack / female connector  | 1/100   |
| 393007 | KJ C6A-TL  | Tool-less Cat6A UTP keystone jack/female connector                                    | 1/100   |
| 393022 | KJ C6 HQ   | Tool-less Cat6 UTP keystone jack /female connector, wing nut type.                    | 1/100   |
| 393006 | KJ C6A-FTL | Tool-less Cat6A FTP keystone jack/female connector                                    | 1/50    |
| 393003 | RJ45 C6    | Cat6 UTP RJ45 male connector for tool H RJ45  | 10/1000 |
| 393008 | RJ 45U C6A | Cat6A UTP RJ45 fast male connector  | 10/1000 |
| 393009 | RJ 45F C6A | Cat6A FTP RJ45 fast male connector  | 10/1000 |
| 393004 | C RJ45     | White cap for male RJ45 connector   | 10/250  |
| 393010 | C RJ45 Y   | Yellow cap for male RJ45 connector  | 10/3000 |
| 393013 | C RJ45 R   | Red cap for male RJ45 connector   | 10/3000 |
| 393014 | C RJ45 B   | Blue cap for male RJ45 connector  | 10/3000 |
| 393015 | C RJ45 G   | Grey cap for male RJ45 connector  | 10/3000 |



R C6



KJ C6A-TL



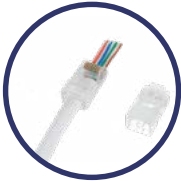
KJ C6A-FTL



KJ C6 HQ



RJ45 UC6A · RJ45 F6A



Wires guide for a quick and safe installation

**RACKS**

|        |             |   |      |
|--------|-------------|---|------|
| 361001 | B 2U        | Wall frame 19" 2U - 300 mm depth                      | 1    |
| 361002 | B 3U        | Wall frame 19" 3U - 300 mm depth                      | 1    |
| 396005 | RB 4 19 300 | Rack cabinet de 19" 4U, 540 x 362 x 180 mm            | 1    |
| 396021 | RB 6 19 300 | Rack cabinet de 19" 6U, 540 x 362 x 211 mm            | 1    |
| 396001 | R6 19 450   | Rack cabinet 19" 6U. 600 x 450 x 370 mm               | 1    |
| 396002 | R9 19 450   | Rack cabinet 19" 9U. 600 x 450 x 500 mm               | 1    |
| 392005 | PP 24-6 C   | 24 Cat6 ports patch panel for 19" rack. 1U            | 1/10 |
| 392001 | PP 24 S     | 24 ports empty patch panel for 19" rack. 1U           | 1/10 |
| 361015 | BER         | 8 power sockets module with power switch for 19" rack | 1    |
| 361016 | BF 1U-300   | Fixed 19" rack tray - 1U. Depth 300mm.                | 1    |
| 361017 | BF 2U-300   | Fixed 19" rack tray - 2U. Depth 300mm.                | 1    |
| 397003 | GC 19       | Cables guide for 19" rack 1U                          | 1    |
| 397004 | PPC 19      | Cable lead-through for 19" rack 1U                    | 1    |
| 397001 | PC 119      | Blind panel 1U rack 19"                               | 1    |
| 397002 | PC 2 19     | Blind panel 2U rack 19"                               | 1    |



CRJ45 · CRJ45Y · CRJ45R · CRJ45B · CRJ45G



PP 24 C



RB 4 19 300

**TOOLS**

|        |          |  |      |
|--------|----------|--|------|
| 394003 | HCC RJ45 | Tool for fast male RJ45 connectors     | 1/20 |
| 394001 | H KJ     | Insertion tool for KJ C6 keystone jack | 1    |
| 394002 | H RJ45   | Crimping tool for RJ45 C6 connector    | 1    |



HCC RJ45

## TR PROFESSIONAL SERIES CONTROLLERS

UC-XX controllers, available in different models and modes, offer simple, efficient, secure and centralized control of the professional TR range WiFi access points infrastructure. Suitable for any type of installation and client, makes maintenance tasks easy for IT personnel.



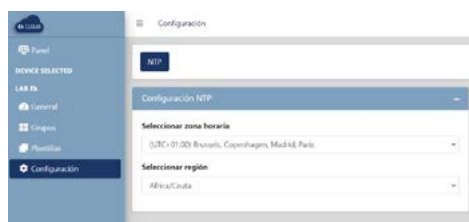
**REAL TIME NETWORK STATUS**      **ALERTS**

| Nombre S1 | MAC S1            | IP Address S1 | Model S1   | FW S1  | Dev S1 | Template S1 | Grupo S1      | Acciones |
|-----------|-------------------|---------------|------------|--------|--------|-------------|---------------|----------|
| AP 01     | 74-1A-E3-E3-4F-C3 | 172.16.50.192 | AP-TR-1300 | V1.7.7 | 0      |             | Zonas Comunes | [Icons]  |
| AP 02     | 74-1A-E3-E3-08-97 | 172.16.50.193 | AP-TR-2200 | V1.7.7 | 0      | 22200       | Zonas Comunes | [Icons]  |
| AP 03     | 74-1A-E3-E3-08-A6 | 172.16.50.181 | AP-TR-2200 | V1.7.7 | 0      | 22200       | Zonas Comunes | [Icons]  |
| AP 04     | 74-1A-E3-E3-00-54 | 172.16.50.178 | AP-TR-2200 | V1.7.7 | 0      | 22200       | Zonas Comunes | [Icons]  |
| AP 05     | 74-1A-E3-E3-16-37 | 172.16.50.206 | AP-TR-250  | V1.11  | 0      | WiFi        | Zonas Comunes | [Icons]  |
| AP 06     | 74-1A-E3-E3-50-D8 | 172.16.50.191 | AP-TR-1300 | V1.7.7 | 0      |             | Zonas Comunes | [Icons]  |
| Sala 01   | 74-1A-E3-E3-50-B8 | 172.16.50.182 | AP-TR-1300 | V1.7.7 | 0      | 51500       | Oficinas      | [Icons]  |
| Sala 02   | 74-1A-E3-E3-0C-19 | 172.16.50.203 | AP-TR-2200 | V1.7.7 | 0      |             | Oficinas      | [Icons]  |
| Sala 03   | 74-1A-E3-E3-4F-C7 | 172.16.50.204 | AP-TR-1300 | V1.7.7 | 0      | 51800       | Oficinas      | [Icons]  |

- ✓ Intuitive and complete system supervising
- ✓ Create device groups
- ✓ Template creation
- ✓ Bulk configuration of the WiFi access points
- ✓ Global firmware upgrade
- ✓ Real-time monitoring
- ✓ Alerts

TR ACCESS POINTS VISUAL MANAGEMENT AND CONFIGURATION

## EK CLOUD



| Nombre del dispositivo S1 | Tipo S1 | Número de serie S1 | Acciones |
|---------------------------|---------|--------------------|----------|
| Hotel 1                   | UC MINI | EK-UCTR1000000004  | [Icons]  |
| Hotel 2                   | UC MINI | EK-UCTR1000000006  | [Icons]  |
| Hotel 3                   | UC MINI | EK-UCTR1000000005  | [Icons]  |
| Hotel 4                   | UC MINI | EK-UCTR1000000008  | [Icons]  |
| Hotel 5                   | UC MINI | EK-UCTR1000000007  | [Icons]  |
| LAB Ek                    | VM      | EK-UCTR1000000099  | [Icons]  |

- ✓ Remote management of the installation without opening ports on the router
- ✓ Control of multiple installations with a single user account
- ✓ Own cloud server under Ek control
- ✓ Compatible with all models of EK Online controller
- ✓ Simple and intuitive management interface
- ✓ No added costs

**3 YEARS FREE ACCESS\***

\*For online controllers



# 02

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HOTSPOT



HS BASIC



CM HS



HS RACK

## HOTSPOT by EK

|        |           |  |   |
|--------|-----------|--|---|
| 280025 | HS BASIC  | Professional Hotspot with captive portal + network audit. Up to 50 simultaneous users. Power supply included | 1 |
| 280024 | CM HS     | Professional Hotspot with captive portal + network audit. Compatible with CM Headend                         | 1 |
| 390011 | HS RACK   | Professional Hotspot with captive portal + network audit. 19" rack format.                                   | 1 |
| 390021 | HS RACK + | Professional Hotspot with captive portal + network audit. 19" rack format. For up to 2000 simultaneous users | 1 |
| 280058 | IPMS      | Graphical configuration interface for PMS connection via Char  | 1 |
| 311008 | EK SOP    | Servers remote support and commissioning   | 1 |

## PROFESSIONAL CAPTIVE PORTAL AND WIFI NETWORK AUDIT

The professional Ekselans by ITS HotSpot has been designed for installation in business and hotel environments, as well as in any public WiFi network where user authentication and activity registration are required.

Through a simple configuration, the installer is able to define all the necessary parameters to offer various methods of accreditation in WiFi networks (direct registration, email with verification check, tickets with pre-defined passwords, social networks, ...). Likewise, the system allows to define user profiles for assignment of times and connection speed.

In addition to the captive portal, the HotSpot by EK offers a powerful network audit system that allows analyzing internet consumption statistics by connection and user, as well as registering and storing the activity of the different users connected to the WiFi network (device identification, visited domains, connection times, ...), all in strict compliance with the new regulation

### Captive portal

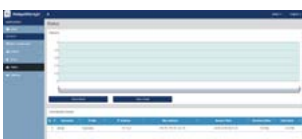
- Simple configuration of the welcome page
- Various access systems: direct registration, tickets with personalized passwords, social networks (Facebook)
- Possibility of defining fields for the access form (name, nationality, room, email, ...)
- Access functionality with email verification system
- Definition of bandwidth and maximum connection time per session
- Creation of websites whitelists
- Possibility of connection to ticket printer for passwords

### Network audit and activity registration

- Activity log of users connected to the WiFi network
- Internal storage of important information such as devices MAC addresses, visited domains, connection times to each domain,...
- Usage statistics of internet resources per user
- Possibility of defining an external cloud back-up (Dropbox, Google Drive, ...)

### Integration with PMS

- HotSpot integration option with the hotel's PMS through the CHAR system





# 03

EKOAX AND GIGAEKOAX  
INTERNET OVER  
COAXIAL



IPC-BMH



IPC M300



IPC-M2



IPC-B MINI



MI RP



MI RP IEC



KIT IP



KIT IP-W



GIGABOX

## EKOAX (INTERNET OVER COAXIAL)

### SINGLE MASTER HOME SOLUTION

|        |         |   |      |
|--------|---------|---|------|
| 250015 | IPC-BMH | Plug&play mini-master module for WiFi and IPTV extension in homes. Transmission frequency 7.5 to 65MHz. Output level 115dB $\mu$ V. 12Vdc plug-in power supply included. Maximum connection 6 x IPC-S / IPC-S2 / IPC-S3 | 1/80 |
|--------|---------|---|------|

### MASTER PROFESSIONAL SOLUTION

|        |                    |   |        |
|--------|--------------------|---|--------|
| 250003 | IPC-M2<br><b>E</b> | Headend module for EKOAX system. Transmission of IP data over coaxial cable. 1 Gbps-HDTV. RF mix. Transmission frequency of IP data: 7,5 - 65 MHz. Output level: 120 dB $\mu$ V. Working voltage: 12 Vdc. Power supply included | 1      |
| 132001 | MI RP              | Mix-demix 5-65 MHz / 85-2150 MHz  | 10/100 |

### USER UNIT

|        |                    |   |        |
|--------|--------------------|---|--------|
| 250013 | IPC-B MINI         | EKOAX slave module for coaxial data reception. RF in. 1 LAN port  | 1/80   |
| 250024 | IPC-S3<br><b>N</b> | EKOAX slave module for coaxial data reception. RF in/out. WiFi b/g/n 2.4 GHz, 4 LAN ports. 2 antennas. 300Mbps                  | 1/60   |
| 132002 | MI RP IEC          | Mixer/demixer for EKOAX compatible with TV sockets: TV (85-1000 MHz) / DATA (5-65 MHz). Insertion loss: 1dB (TV) / 0.5dB (DATA) | 10/100 |

### IPTV EXTENDER KIT

|        |           |   |   |
|--------|-----------|---|---|
| 250022 | KIT IP    | Kit for IPTV extension over coaxial             | 1 |
| 250023 | KIT IP-W  | Kit for IPTV and WiFi extension over coaxial    | 1 |
| 250025 | KIT IP AC | Kit for IPTV and WiFi AC extension over coaxial | 1 |

## EKOAX PLUS

|        |          |  |      |
|--------|----------|--|------|
| 250019 | IPC M300 | EKOAX PLUS master module for coaxial data transmission. RF mix Frequency: 7.5 - 65 MHz. Output level: 115 dB $\mu$ V. Self-powered 230VAC                | 1    |
| 250020 | IPC 24   | EKOAX PLUS slave module for coaxial data reception. RF in / out. WiFi b/ g/n 2.4 GHz, 4 LAN ports. 2 antennas. 300 Mbps                                  | 1/20 |
| 250021 | IPC AC   | EKOAX PLUS slave module for coaxial data reception. RF in / out. WiFi b/g/n/AC 2.4/5 GHz, 4 LAN ports. 2 antennas. 300 Mbps (2,4 GHz) / 800 Mbps (5 GHz) | 1/20 |
| 311008 | EK SOP   | Servers remote support and commissioning   | 1    |

## GIGAekoax

|        |                      |   |          |
|--------|----------------------|---|----------|
| 250026 | GIGABOX              | Intelligent master/slave module for coaxial data reception. RF in/out. Maximum 16 devices. Transmission frequency. 5-100MHz. 1 Gigabit port | 1/20     |
| 132003 | MI RP GB<br><b>N</b> | Mixer/demixer for GIGAekoax: TV (120-2150 MHz) / DATA (5-100 MHz). Insertion loss: 1dB (TV) / 0.5dB (DATA)                                  | 1/10/100 |

## EKOAX PLUS INTERNET OVER COAXIAL CABLE

The EKOAX PLUS system from Ekselans by ITS have been specially designed to convert the coaxial network into a data

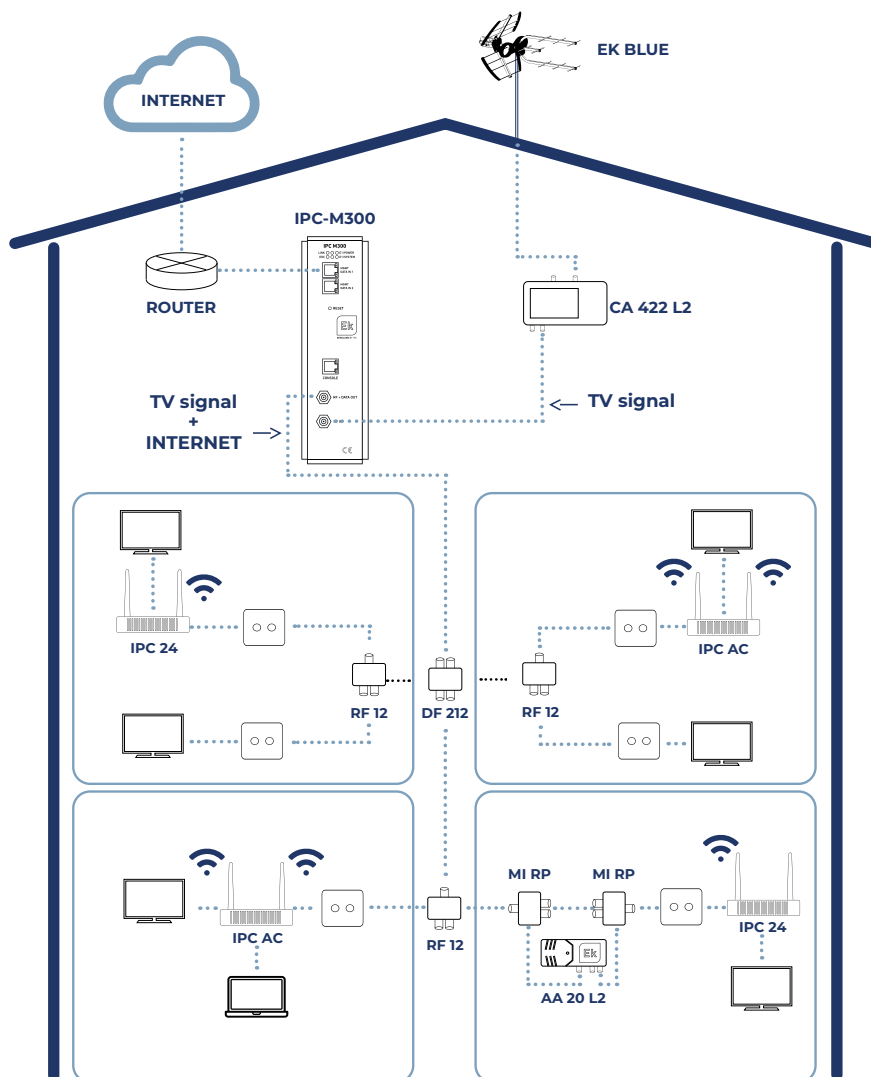
EKOAX PLUS equipment allows to transmit and receive the internet signal through the existing coaxial cable of a television installation, without the need to intervene on the infrastructure.

Simply by adding a master head unit (IPC-M2 / IPC-M300) and a user equipment (IPC-S2 / IPC24 / IPCAC) at each point to which the internet signal is to be carried, the television installation can be updated to transmit IP data with high speed. The user device also acts as a WiFi router so you can create a wireless network easily and with quality wherever the IPC S2 / 24 / AC comes installed.

A single master device allows managing up to 253 user equipment with encrypted communications with each of them. It is also possible to increase the number of user devices using the same network, simply by installing new master equipment in parallel.

## GIGA EKOAX. THE EVOLUTION FOR 1 Gbps COMMUNICATION OVER COAXIAL CABLE

GIGA EKOAX is the new technology that allows very high-speed transmission through coaxial cables. The Gigabox equipment is a smart device that can be installed as a primary or secondary device, detecting automatically what is its function in the installation. With a maximum of 16 devices per installation (1 primary + 15 secondary), Gigabox performs in the 5 to 100 MHz frequency band for true maximum connection of 1 Gbps.



# WIFI NETWORK APPLICATIONS



# WIFI RANGE PRODUCTS



WIFI ACCESS POINTS SYSTEM



EK CLOUD



CONTROLLERS



SWITCHES



HOTSPOT



LAN CABLES





# 04

GPON



OLT 8E



OLT 16E



THE BEST  
OPTION FOR  
PROFESSIONALS



SWH-TR



TOR 3 GPON · TOR 3 GPON FI



EDFA 1617



UPS 1000



ONT 4AC

## NETWORK EQUIPMENT

|        |           |  |   |
|--------|-----------|--|---|
| 334200 | SWG 24 L2 | Ethernet Layer2 Managed Switch . 24 ports x 1Gbps Ethernet + 4 x SFP 1Gbps | 1 |
| 280070 | RGM       | Multi-port router (10 x 1Gb)   | 1 |

## GPON OLTs / MANAGEMENT SERVER

|        |            |   |   |
|--------|------------|---|---|
| 310008 | OLT 8E     | GPON headend (OLT). 8 downlink ports and 8 uplink ports (2 x 10GE and 6 x GE). Redundant power supply                   | 1 |
| 310009 | OLT 16E    | GPON headend (OLT). 16 downlink ports and 8 uplink ports (2 x 10GE and 6 x GE). Redundant power supply                  | 1 |
| 310025 | SFP UP     | SFP for Gb uplink Ethernet RJ45   | 1 |
| 310036 | SFP 10G UP | SFP for 10G uplink Ethernet RJ45  | 1 |
| 310018 | SFP C+     | SFP for downlink ports C+ type  | 1 |
| 310035 | SFP C++    | SFP for downlink ports C++ type   | 1 |
| 310040 | SWH-BASIC  | Desktop server for GPON configuration and provisioning for hospitality. TR069. Maximum of 40 ONT. Power supply included | 1 |
| 310041 | SWH-MINI   | Desktop server for GPON configuration and provisioning for hospitality. CM headend format. TR069. Maximum of 120 ONT.   | 1 |
| 310026 | SWH-TR     | Rack server for GPON configuration and provisioning for hospitality. TR069  | 1 |
| 311008 | EK SOP     | Servers remote support and commissioning  | 1 |

## OPTICAL TRANSMITTER FOR RF OVERLAY HEADENDS

|        |               |  |   |
|--------|---------------|--|---|
| 271021 | TOR 3 GPON    | Professional Optical transmitter IN 47-1000MHz / OUT 1550nm DFB laser. Optical power: 3dBm. SC/APC | 1 |
| 271020 | TOR 3 GPON FI | Professional Optical transmitter IN 47-2600MHz / OUT 1550nm DFB laser. Optical power: 3dBm. SC/APC | 1 |

## EDFAs GPON PARA RF OVERLAY

|        |           |   |   |
|--------|-----------|---|---|
| 310023 | EDFA 812  | 8-way optical amplifier 1550nm + multiplexer 1490nm and 1310nm. Total optical power: 23dBm. Optical power / port: 12,5dBm | 1 |
| 310010 | EDFA 816  | 8-way optical amplifier 1550nm + multiplexer 1490nm and 1310nm. Total optical power: 27dBm. Optical power / port: 16,5dBm | 1 |
| 310011 | EDFA 1617 | 16-way optical amplifier 1550nm + multiplexer 1490nm and 1310nm. Total optical power: 31dBm. Optical power / port: 17dBm  | 1 |
| 310022 | EDFA 3219 | 32-way optical amplifier 1550nm + multiplexer 1490nm and 1310nm. Total optical power: 34dBm. Optical power / port: 19dBm  | 1 |

## UPS

|        |          |  |   |
|--------|----------|--|---|
| 312004 | UPS 1000 | 1KVA online UPS. 92% AC/AC efficiency. Power factor 0.9. Autonomy 9 minutes. Display and 19" rack format | 1 |
| 312005 | PB UPS   | External batteries   | 1 |
| 312006 | SNMP UPS | SNMP control board   | 1 |

## ONTs

|        |             |  |   |
|--------|-------------|--|---|
| 310032 | ONT 2W<br>E | GPON Optical Network Terminal (ONT) + Wireless router. 2 ports GE + 1 port POTS + WiFi b/g/n | 1 |
| 310017 | ONT 4 AC    | GPON network terminal. 4 GE + 2 POTS + WiFi b/g/n/ac 2,4/5GHz                                | 1 |

|        |                                    |   |   |
|--------|------------------------------------|---|---|
| 310033 | ONT 4 POE<br><b>E</b>              | GPON Optical Network Terminal (ONT) + Wireless router. 4 ports GE with PoE supply 48V (max 48W). SC/APC | 1 |
| 310047 | ONT 4 POE CP<br><b>N</b> MAYO 2024 | GPON network terminal. 4 GE ports + 2 POTS. POE 48Vdc (max 60W). SC/APC connector                       | 1 |
| 310049 | ONT 4 W6<br><b>N</b> MAYO 2024     | GPON network terminal. 4 GE + 2 POTS + WiFi 6 (3000Mbps)  | 1 |



ONT 4 POE CP



ONT 4 W6



RO 88 CWD

### RF OVERLAY OPTICAL RECEIVERS

|        |              |   |   |
|--------|--------------|---|---|
| 270004 | RO 88 CWD    | Active optical receiver 1GHz 1550nm + mux 1490nm/ 1310nm. Input optical power 2...-15dBm (AGC 0...-12dBm). Output level > 80dBμV. | 1 |
| 270005 | RO 68 CWD    | Passive optical receiver 1GHz 1550nm + mux 1490nm/ 1310nm. Input optical power 0...-10dBm. Output level: >62dBμV                  | 1 |
| 270006 | RO 65 FI CWD | Passive optical receiver 2,4 GHz 1550nm + mux 1490nm/ 1310nm. Input optical power 0...-10dBm. Output level >60dBμV                | 1 |
| 270007 | RO 90 FI CWD | Active optical receiver 2,4GHz 1550nm + mux 1490nm/ 1310nm. Optical level 2...-15dBm (AGC 0...-12dBm). Output level >80dBμV       | 1 |

### INDUSTRIAL ONTs

|        |              |   |   |
|--------|--------------|---|---|
| 310037 | ONT 4 POE IN | Industrial GPON network terminal. 4 ports GE with 48 Vdc PoE (max 60 W). Maximum working temperature 65° C.   | 1 |
| 310029 | ONT IN       | Industrial GPON network terminal. 4 ports GE + 2 ports POTS + WiFi b/g/n/ac 2.4/5GHz. 12Vdc power supply via terminals. SMA connectors for WiFi 2.4 / 5GHz antennas. DIN rail fixing. | 1 |
| 310030 | ANT-24       | WiFi 2,4GHz antenna for ONT IN.   | 1 |
| 310031 | ANT-58       | WiFi 5GHz antenna for ONT IN.   | 1 |



ONT 4 POE IN

### UPS FOR ONT

|        |        |                                    |   |
|--------|--------|------------------------------------|---|
| 312001 | UPS 16 | UPS for ONTs 16W/h. LiPo batteries | 1 |
| 312002 | UPS 32 | UPS for ONTs 32W/h. LiPo batteries | 1 |

### MULTI OPERATOR FIBER CABINET

|        |       |   |      |
|--------|-------|---|------|
| 396012 | RP FO | 2-zone cabinet for 48 SC/APC adapters. 2 trays for up to 48 fusions | 1/4  |
| 396016 | ARP   | 16 SC/APC adapters plate for RP FO                                  | 1/50 |



RP FO



BER

### RACKS AND ACCESSORIES

|        |           |  |   |
|--------|-----------|--|---|
| 396001 | R6 19 450 | Rack cabinet 19" 6U. 600 x 450 x 370 mm                      | 1 |
| 396002 | R9 19 450 | Rack cabinet 19" 9U. 600 x 450 x 500 mm                      | 1 |
| 361015 | BER       | 8 power sockets module with power switch for 19" rack        | 1 |
| 361016 | BF 1U-300 | Fixed 19" rack tray - 1U. Depth 300mm.                       | 1 |
| 361017 | BF 2U-300 | Fixed 19" rack tray - 2U. Depth 300mm.                       | 1 |
| 361014 | BF 2U     | 19" rack fixed tray - 2U. 400mm depth. For 600mm depth racks | 1 |
| 397001 | PC 119    | Blind panel 1U rack 19 "                                     | 1 |
| 397002 | PC 2 19   | Blind panel 2U rack 19 "                                     | 1 |
| 397003 | GC 19     | Cables guide for 19 " rack 1U                                | 1 |
| 397004 | PPC 19    | Cable lead-through for 19" rack 1U                           | 1 |



180° turn  
for rack or  
wall support



BF 2U-300



BF 24 C



Highly stable pull-out tray



EDD 8



CFD 16



RS 24-12



ARS 12



RPG 32



SCF 32

FIBER TRAYS AND ACCESSORIES FOR 19" RACKS

|        |           |   |         |
|--------|-----------|---|---------|
| 361012 | BF 24 C   | 24 ports pull-out tray with 24 SC/APC simplex adapters assembled. Antidust cap protectors. 1U                   | 1/5     |
| 361013 | BF 48 C   | 48 ports pull-out tray with 24 SC/APC duplex adapters assembled. Antidust cap protectors. 1U                    | 1/5     |
| 361018 | BF 24 E   | 24 ports pull-out tray with 24 SC/APC simplex adapters assembled. Fiber identifier. Antidust cap protectors. 1U | 1/5     |
| 361019 | BF 48 E   | 48 ports pull-out tray with 24 SC/APC duplex adapters assembled. Fiber identifier. Antidust cap protectors. 1U  | 1/5     |
| 363001 | A SCAPC S | Simplex SC/APC adapter with mounting flange   | 25/2000 |
| 363004 | A SCAPC D | Duplex SC/APC adapter with mounting flange. For replacing on BF 48 C  | 20/1000 |
| 363010 | T AD      | 48 screws bag for SC/APC adapters.  | 1 Bolsa |
| 363011 | TP AD S   | Protective cap for front telescopic tray SC connector   | 1       |

FIBER OPTICS DISTRIBUTION BOX

|        |       |   |   |
|--------|-------|---|---|
| 361037 | EDD 8 | Distribution box with 8 SC/APC mounted adapters and 12 fusions tray. IP65 | 1 |
|--------|-------|---|---|

OUTDOOR FTTH BOX

|        |        |  |   |
|--------|--------|--|---|
| 361036 | CFD 16 | FTTH distribution box, IP65, compatible with SCF splitters. Up to 16 outputs | 1 |
|--------|--------|--|---|

DISTRIBUTION BOX

|        |                      |  |      |
|--------|----------------------|--|------|
| 361033 | RS 4M<br><b>E</b>    | Fiber distribution box 4 fibers. SC/APC adapters included. It includes support for SP FO splitters | 1/30 |
| 361034 | RS 8M<br><b>E</b>    | Fiber distribution box 8 fibers. SC/APC adapters included. It includes support for SP FO splitters | 1/20 |
| 361032 | RS 8-12              | Fiber distribution box 8 connectorized / 12 fused fibers. SC/APC adapters not included             | 1/10 |
| 361041 | RS 24-12<br><b>N</b> | Fiber distribution box 12 connectorized / 24 fused fibers. SC/APC adapters not included            | 1/20 |
| 361042 | ARS 12<br><b>N</b>   | 12 mounted SC/APC adapters plate for RS 24-12  | 1/20 |
| 396023 | RP FO P              | 2-zone plastic cabinet for 48 SC/APC adapters. 4 trays for up to 48 fusions. 2 doors               | 1/6  |

DISTRIBUTION CABINETS WITH ASSEMBLED SPLITTER

|        |        |  |   |
|--------|--------|--|---|
| 396022 | RPG 32 | Plastic cabinet two zones. 4 fusion trays. 2 doors. Assembled SCF 32 splitter. | 1 |
| 396024 | RPG 16 | Plastic cabinet two zones. 4 fusion trays. 2 doors. Assembled SCF 16 splitter. | 1 |
| 396025 | RPG 8  | Plastic cabinet two zones. 4 fusion trays. 2 doors. Assembled SCF 8 splitter.  | 1 |

OPTICAL COMPACT SPLITTERS

|        |        |  |   |
|--------|--------|--|---|
| 366133 | SCF 2  | Fiber optic PLC modular (cassette) splitter 1x2 with SC/APC connectors. 1U in BSCF rack  | 1 |
| 366134 | SCF 4  | Fiber optic PLC modular (cassette) splitter 1x4 with SC/APC connectors. 1U in BSCF rack  | 1 |
| 366135 | SCF 8  | Fiber optic PLC modular (cassette) splitter 1x8 with SC/APC connectors. 1U in BSCF rack  | 1 |
| 366136 | SCF 16 | Fiber optic PLC modular (cassette) splitter 1x16 with SC/APC connectors. 2U in BSCF rack | 1 |
| 366137 | SCF 32 | Fiber optic PLC modular (cassette) splitter 1x32 with SC/APC connectors. 4U in BSCF rack | 1 |
| 366139 | BSCFR  | Rack for mounting SCF splitters in 19" rack  | 1 |
| 366138 | SSCF   | Wall fixing bracket for SCF splitters  | 1 |

**PLC SPLITTERS**

|        |          |  |       |
|--------|----------|--|-------|
| 366102 | SP FO 2  | Fiber optic PLC splitter 1x2 with SC/APC connectors  | 1/100 |
| 366104 | SP FO 4  | Fiber optic PLC splitter 1x4 with SC/APC connectors  | 1/100 |
| 366108 | SP FO 8  | Fiber optic PLC splitter 1x8 with SC/APC connectors  | 1/100 |
| 366116 | SP FO 16 | Fiber optic PLC splitter 1x16 with SC/APC connectors | 1/100 |
| 366132 | SP FO 32 | Fiber optic PLC splitter 1x32 with SC/APC connectors | 1/100 |

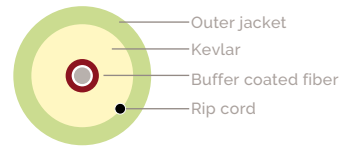


**SP FO 16**

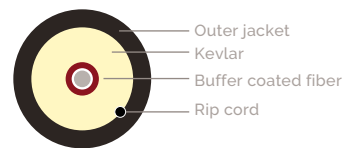
**FIBER CABLE**

|        |                        |  |         |
|--------|------------------------|--|---------|
| 360016 | CFO 1-900<br><b>E</b>  | 1 single-mode fiber wire 900um G657-A2 LSZH CPR Dca white. 500m reel   | 1       |
| 360017 | CFO 1-900N<br><b>E</b> | 1 single-mode fiber wire 900um G657-A2 LSZH CPR Dca black. 500m reel   | 1       |
| 360025 | CFOR 2 900-D           | 2 fibers cable single-mode 900um G657-A2 LSZH CPR Dca white. 500m reel compatible with Ek ROLLER                 | 1/36/72 |
| 360026 | CFOR 2 900N            | 2 fibers cable single-mode 900um G657-A2 PE black for outdoor installations. 500m reel compatible with Ek ROLLER | 1/36/72 |
| 360010 | CFO 12 900-D           | 12 tight-buffered fibers cable single-mode 900um G657-A2 LSZH CPR Dca. Packed by meter                           | m       |
| 360011 | CFO 24 900-D           | 24 tight-buffered fibers cable single-mode 900um G657-A2 LSZH CPR Dca. Packed by meter                           | m       |
| 360012 | CFO 48 900-D           | 48 tight-buffered fibers cable single-mode 900um G657-A2 LSZH CPR Dca. Packed by meter                           | m       |
| 360023 | CFO 24 ARM             | 24 fibers PSP armored Cable. 2 loose tubes with 12 fibers. 250D. SM G652D. Black PE outer jacket                 | 1       |
| 360024 | CFO 48 ARM             | 48 fibers PSP armored Cable. 4 loose tubes with 12 fibers. 250D. SM G652D. Black PE outer jacket                 | 1       |
| 360007 | CFC                    | Fiber cutting service  | 1       |
| 360015 | CPF                    | Big reel for fiber optical cable   | 1       |
| 360020 | CPF 2                  | Small reel for fiber optical cable   | 1       |

**CPR Dca**



**CFO 1900**



**CFO 1900N**



**BOBINA CFOR**

**FIBER PATCHCORDS WITH FLEXIBLE CONNECTORS EK ROLLER +**

|        |            |   |      |
|--------|------------|---|------|
| 361126 | PCR 12 FEK | 3mm G657-A2 patch cord with flexible SC/APC connectors. Length 12 m. With traction system at one end. | 1/16 |
| 361127 | PCR 18 FEK | 3mm G657-A2 patch cord with flexible SC/APC connectors. Length 18 m. With traction system at one end. | 1/16 |
| 361128 | PCR 24 FEK | 3mm G657-A2 patch cord with flexible SC/APC connectors. Length 24 m. With traction system at one end. | 1/16 |



Access the EK ROLLER demo video

**Ek ROLLER +**



**PT 150**

**900 UM FIBER PIGTAILS**

|        |        |   |    |
|--------|--------|---|----|
| 362021 | PT 150 | 0,9mm pigtail fiber SC/APC connector. Length 1.5m | 25 |
|--------|--------|---|----|

**PATCH CORDS**

|        |            |  |       |
|--------|------------|--|-------|
| 362002 | PC SA 25   | 3mm patch cord fiber with SC/APC connectors. Length 25 cm            | 1/250 |
| 362001 | PC SA 100  | 3mm patch cord fiber with SC/APC connectors. Length 1 m              | 1/250 |
| 362005 | PC SA-200F | 3mm patch cord fiber with flexible SC/APC connectors. Length 2 m     | 1/250 |
| 362003 | PC SA-P 25 | 3mm hybrid patch cord with SC/APC and SC/PC connectors. Length 25 cm | 1/250 |
| 362004 | PC SA-P200 | 3mm hybrid patch cord with SC/APC and SC/PC connectors. Length 2m    | 1/250 |



PC SA-200F



RT FO



A SCAPC S



A SCAPC AD

**FIBER TERMINAL BOX AND ADAPTORS**

|        |             |   |         |
|--------|-------------|---|---------|
| 361101 | RT FO       | Empty optical fiber terminal rosette box. SC/APC adapters not included. Fits standard single back boxes | 1/25    |
| 363001 | A SCAPC S   | Simplex SC/APC adapter with mounting flange   | 50/2000 |
| 363002 | A SCAPC S W | Simplex SC/APC adapter without mounting flange for SC KJ  | 50/2000 |
| 363003 | A SCAPC AD  | Simplex SC/APC adapter with anti dust cap   | 25/2000 |
| 363011 | TP AD S     | Protective cap for unused hole (single adapter case) in RT FO   | 100     |
| 366001 | PFF 45      | 45mm heat shrinkable protetors for fusions. 50 units bag.   | 1       |

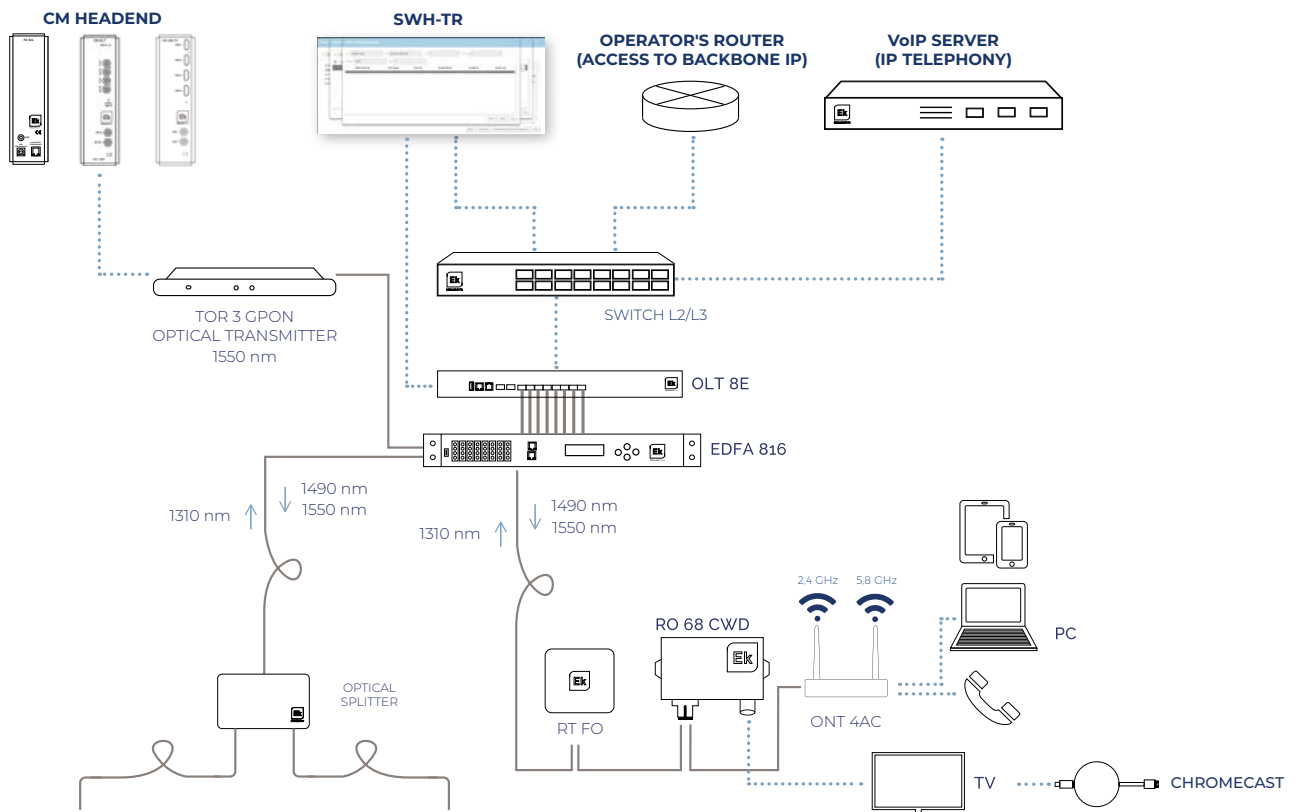
**FIBER CONNECTOR**

|        |       |                                       |        |
|--------|-------|---------------------------------------|--------|
| 363021 | CM SA | Mechanical SC/APC connector for fiber | 10/100 |
|--------|-------|---------------------------------------|--------|

**TOOLS**

|        |      |                                |   |
|--------|------|--------------------------------|---|
| 364001 | H PF | Fiber peeling tool 3 functions | 1 |
| 364002 | H TJ | Scissors for optical fiber     | 1 |

**GPON BY EK: FTTH / FTTR FIBER OPTIC NETWORKS SOLUTION**



## GENERAL SALES CONDITIONS

### Prices

- Prices reflected in this price list are recommended retail prices and doesn't include taxes
- The invoicing will be made at the price in force on the day of shipment of the merchandise
- ITS PARTNER (O.B.S.) S.L. reserves the right to modify this price list, totally or partially, without prior notice.

### Orders

To place your orders, please send an email to [emanuela.zocchi@ek.plus](mailto:emanuela.zocchi@ek.plus)

### Transport

- The prices are EXW Barcelona, so it doesn't include freight cost.
- On each order, customer should be responsible to organize collection and delivery. Under customer's request, we can organize transport to their premises. This service should be quoted separately and after agreement, organized and invoiced along with other products.
- The transport companies are responsible for possible incidents during the trip (damage or faults). Before signing the delivery note, the consignee must check that there are no faults, and that the goods have been delivered in perfect condition. In the event that the goods are damaged, the customer must indicate it on the delivery note of the transport agency and immediately notify ITS Partner (O.B.S.) S.L. within 72 hours of the incident. If no incident is recorded on the delivery note, the responsibility will become solely the recipient.
- After 72 hours from the date of receipt of the goods, no claim will be accepted.

### Warranties and repairs

Ekselans by ITS products are guaranteed for three years, counting from the date of the purchase invoice. This warranty does not cover possible breakdowns or damages caused by misuse or incorrect installation, nor the cases of accidental event or force majeure. The warranty shall not exceed the exchange of the defective part for a new one. The materials that suffer a breakdown can be sent for repair using the form found in the following LINK, being essential to follow the indicated instructions:

[www.ek.plus](http://www.ek.plus), section "Documentation > General Sales Conditions"

### Claims and returns

- We will not accept returns that have not been previously authorized by ITS Partner (O.B.S.) S.L.
- Customer is responsible for the return freight cost (unless agreed between the parties). Goods must be sent with a copy of the related purchase invoice. Goods must be in perfect condition and have not undergone any intervention.
- No claims will be accepted after 7 days from receipt of the goods.

### Payment terms

The payment terms will be agreed between the parties.

### Goods ownership

ITS PARTNER (O.B.S.) S.L. reserves the ownership of the goods until the total payment of the same by the buyer. The customer must bear the interest and expenses caused by the non-payment within the established deadlines, regardless of other possible legal actions, including the recovery of the goods and compensation for damages.

### Jurisdiction

These general sales conditions shall be governed by Spanish law.

Buyer and seller submit, waiving their own jurisdiction, to the jurisdiction of the Courts and Tribunals of Barcelona.

### Information

- The mere acceptance by the buyer of our invoice or delivery note, implies its explicit conformity to all these conditions of sale.
- Delivery times are given as an indication. Delays in deliveries may in no case justify compensation.
- Unless expressly indicated by the client, ITS PARTNER (O.B.S.) S.L. reserves the right to make partial deliveries of an order.

**HEAD OFFICE**

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info@ek.plus

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