

Product Description

The KBC FPT series is part of the ASFOM product family and provides unique, user configurable solutions for telephone signals. It supports transmission of up to 64 telephone channels over either one multimode or singlemode optical fiber. Individual channels can be set to operate as either PBX extensions or emergency links. In emergency link mode lifting the handset at one end will cause the other end to ring and vice-versa.

The plug-and-play design ensures ease of installation with no electrical or optical adjustment needed. LED indicators are provided to clearly show the operational status of the unit.

Depending on system requirements, units are available in wall-mount, 1U or 2U 19" rack or 4U chassis card.



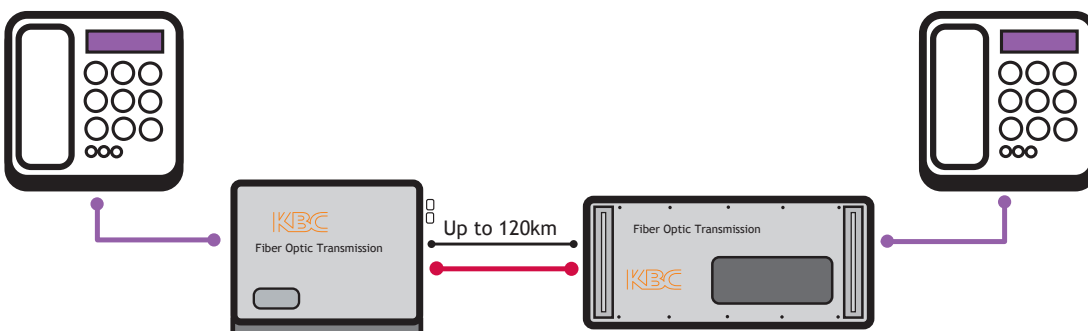
Product Features

- Up to 64 telephone channels
- Emergency link mode
- Multimode and singlemode
- RJ11 Connector
- Wall-mount, rack or chassis configurations
- Unique **Configurator** software package
- No fixed configuration

Specifying your ASFOM Product

The easiest way to specify your ASFOM products is via our Configurator software which is available on-line at www.kbcnetworks.com or it can be sent to you electronically. Using the Configurator, simply enter the number of channels for each signal type you require, and it will work out the product and the part number for you. Alternatively, please contact your local agent or KBC direct, who will configure your product.

Typical System Configuration



Specifications

Telephone

| | |
|-------------------------------|------------------------|
| No. of Channels | Up to 64 |
| Bandwidth | 8kHz |
| Voice encoding | 8 bits, PCM encoded |
| Operation Mode ⁽⁶⁾ | Telco, PBX / telephone |

Optical

| | |
|------------------|-------------------------|
| Wavelength | 1310nm / 1550nm |
| Fiber | Multimode or singlemode |
| Number of Fibers | 1 |

Power

| | |
|--|---|
| Power Input Wall-mount | +12-24 Vdc/dc |
| Power Supply for Wall-mount ⁽¹⁾ | Input: 100 - 240 Vac Output: +12 Vdc |
| Rack Module ⁽¹⁾ | Input: 100 - 240 Vac @ 2A |
| Chassis Card | Supplied from FR3 or FR4 PSU |

Environmental

| | |
|----------------------------------|------------------------------|
| Operating Temperature | -40° ~+70° C / -40° ~+158° F |
| Storage Temperature | -40° ~+70° C / -40° ~+158° F |
| Operating Humidity | 0 to 95% non-condensing |
| Mean Time Between Failure (MTBF) | >100,000 Hours |

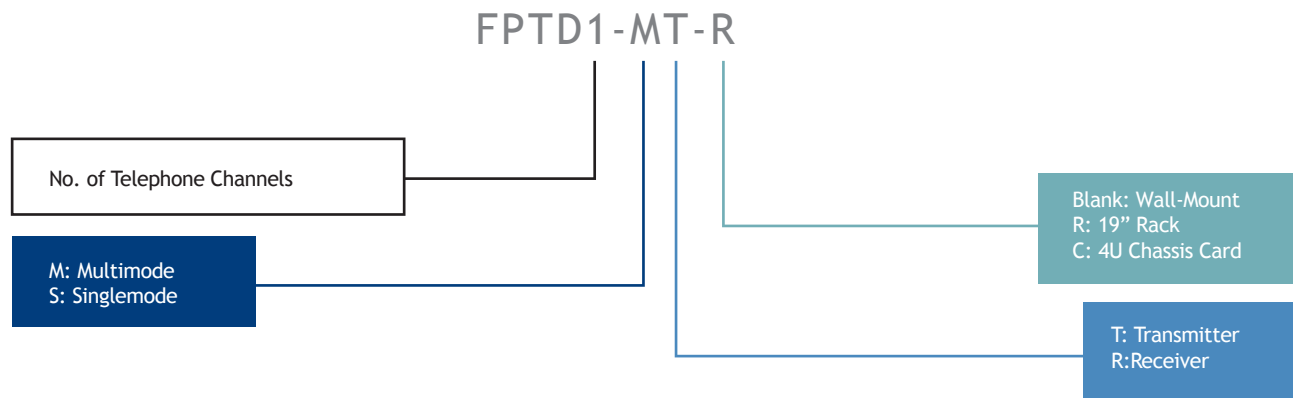
Mechanical

| | | |
|--|---|---------|
| Dimensions (Wall-mount L x W x H) ⁽⁵⁾ | 221mm x 155mm x 36mm (8.7" x 6.1" x 1.42") | |
| Dimensions (Rack) | 1U | 19", 1U |
| | 2U | 19", 2U |
| Number of Chassis Card Slots ⁽²⁾ | Depends on configuration | |

Connectors

| | | |
|----------------------|---|----------------------|
| Telephone | RJ11 | |
| Fiber | ST, SC or FC (ST fitted as standard) | |
| Power ⁽³⁾ | Wall-mount | Screw block terminal |
| | Rack | IEC |

Part Number Configurator



Optical Budget

| Part Code | Fiber Type | No. | Optical Budget | | | Wavelength nm | Approximate Transmission Distance ⁽⁴⁾ |
|-----------|------------|-----|----------------|--------|------|---------------|--|
| | | | 50µm | 62.5µm | 9µm | | |
| FPTD*-M* | Multimode | 1 | 8dB | 12dB | | 1310/1550 | 0-4km |
| FPTD*-S* | Singlemode | 1 | | | 18db | 1310/1550 | 0-30km |

Transmission distances up to 120km are available please contact KBC Networks for details. All KBC Networks optical transmitters are LASER based.

1. Please select the power plug from US Standard, Euro 2 Circular or UK 3 Pin square when placing order.
2. Supports maximum of up to 14 single slot cards in each Chassis.
3. Power lines are crimped and fitted to screw block connector in factory.
4. Transmission distance is limited by optical loss of the fiber and loss introduced by connectors, splices and patch panels. Fiber bandwidth also limits the transmission distance.
5. Product body dimensions. Please contact KBC Networks for product drawing and dimensions of mount.
6. Please specify operation mode when placing order.

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