

# Fusion Splicer Fiberfox Mini

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## Variants

5C+ 4S+ 6SI 6S+

## Details

## FiberFox Mini 6S+ Fusion Splicer

The FiberFox Mini 6S+ is a compact core alignment fusion splicer using AOCAT technology for precise fiber alignment. It is designed for FTTH, ISP, and field applications with fast splicing speed and rugged performance.

## Splicing Performance

Parameter	Specification
Alignment Method	Core Alignment (AOCAT Technology)
Splice Loss	SM: 0.02 dB, MM: 0.01 dB, DS/NZDS: 0.04 dB
Return Loss	? 60 dB
Splicing Time	Quick: 6 sec / Auto: 10 sec
Splicing Modes	166 modes (Pre-set: 38 / User: 128)
Attenuation	0.1 ~ 20 dB adjustable

## Fiber Compatibility

Parameter	Specification
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Fiber Type	SM (G.652 / G.657) MM (G.651) DS (G.653) NZDS (G.655)
Cladding Diameter	80 – 150 $\mu$ m
Coating Diameter	100 – 3000 $\mu$ m
Cleave Length	<250 $\mu$ m: 10–16 mm >250 $\mu$ m: 16 mm
Sleeve Length	20 – 60 mm

## Hardware & Display

Parameter	Specification
Display	4.3" Color LCD (Touch Screen)
Magnification	320 $\times$ (Single) / 320 $\times$ (Dual)
Camera	Dual CCD Camera with LED illumination
Data Storage	10,000 splice records / 2,000 images
Interface	USB (Mini-B)

## Power & Environment

Parameter	Specification
Battery	Li-ion 5200 mAh, approx. 300 cycles
Power Supply	AC 100–240V / DC 12.6V

Operating Condition	Altitude: 0–5000m Temperature: -10°C to +50°C Humidity: 0–95% RH Wind: ?15 m/s
Storage Condition	Temperature: -20°C to +60°C Humidity: 0–95% RH
Dimensions	124 x 123 x 138 mm
Weight	1.5 kg (with battery)