


Technical Data Sheet

Connect Edge Adapter Kits

Thermo Fisher Scientific, Asheville, North Carolina

Revision A

Catalog Number and Production Model Number		
Specifications	Connect Edge Adapter Kit – EDGEKTADPT01 Connect Edge Adapter Kit – EDGEKTADPT02 Connect Edge Adapter Kit – EDGEKTADPT03 Connect Edge Adapter Kit – EDGEKTADPT04	
Application, Rating and Electrical Data		
Kit Contents	<ul style="list-style-type: none"> • 1x Connect Edge Adapter (1 of the 4 models) • 1x Power supply, plugs, and cable • 1x USB-A to USB-C configuration cable • 1x Instrument cable (type depends on specific model) • 2x Double-sided adhesive mounting strips • 2x Adhesive backed hook and loop strips • 6x Adhesive backed cable hooks 	
Application	The Connect Edge Adapter Kits provide a wired or wireless network connection to bridge data between an equipment serial interface and the Connect Edge Gateway.	
Application Environment	Non-corrosive, non-flammable, non-explosive, good air ventilation	
Ambient Operating Temperature	Operating temperature range: 0°C to +40°C	
Indoor/Outdoor Usage	Operating humidity range: 8% to 90% RH (non-condensing)	
Device Mounting	Indoor use only	
Equipment Connections	Device can be mounted to any flat surface and secured via adhesive strips.	
	Equipment connectors are made with the included cable and are model specific:	
	EDGEKTADPT01: RS485 via male DB9 connector	
	EDGEKTADPT02: Serial TTL via male DB9 connector	
	EDGEKTADPT03: RS232 via male DB9 connector	
	EDGEKTADPT04: USB via USB-B plug	
Power Adapter and Specifications		
Power Adapter Model	Shenzhen Jiuzhou Power Technology Co., MODEL – J121L-0501000IU	
Power Adapter Rating/Specifications	AC Voltage Input: 100-240 V AC, 50/60Hz - 0.5A	
	DC Voltage Output: 5 V DC - 1000 mA	
Power Adapter Wire Length	2 m (6 ft) or 3 m (9ft) (kit dependent)	
Power Adapter Dimensions, Mass	40.5 x 44.5 x 29.6 mm (1.59 x 1.75 x 1.16 in), 25 g (0.88 oz)	
Networking Requirements		
Connection Type	Wi-Fi or Ethernet (LAN) connection (with optional PoE Base)	
Supported Wi-Fi Protocols	WPA Enterprise (802.1x support); WPA2-PSK	
Wi-Fi Bands and Frequency	Wi-Fi (802.11b,g,n); 2.4GHz ISM band operation	
Hosting Protocols	DHCP and DNS; Device transmits via WSS.	
Required Ports	Ports 443, 4443 (HTTPS,WSS) connection to Connect Edge Gateway (only)	
Adapter Hardware Design and Connection Ports		
Main Controller	Connect Edge Adapter	
Indicators and Buttons	RGB LED status indicator	
	Reset Button: Force adapter restart	
	Top Button: Not used	
Device Data Port	4-pin terminal block	
USB-C power/config	USB-C for 5V power and configuration (via Connect Edge Gateway)	
Dimensions, Mass	48 x 48 x 9.5 mm (1.89" x 1.89" x 0.37"), 20 g (0.7 oz)	
Standards and Regulations		
FCC / IC IDs	Contains FCC ID: 2AN3WATOM, Contains IC: 29745-ATOMLITE	
Certification Marks	FCC, CE, MIC, RCM, TUV-SUD	
EMC	FCC 47 CFR Part 15 Sub-Part B, ICES-003, EN55032:2015 + A11:2020, EN55035:2017 + A11:2020, EN 301 489-1v2.2.3, EN 301 489-17v3.2.4, AS/NZS CISPR32, VCCI-CISPR32:2016, KS C 9835:2019, KS C 9832:2019, KS X 3124:2020, KS X 3126:2020, SANS 2332:2017 and SANS 2335:2018	
Safety	EN 62368-1	
Power Adapter Certifications	CE, UKCA, FCC, RCM, CCC, UL, WEEE & ROHS	
Country of Origin	China	

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