

Technical Data Sheet

Connect Edge Sensor Adapter Kits

Thermo Fisher Scientific, Asheville, North Carolina

Revision A

Specifications	Catalog Number and Production Model Number	
	Connect Edge Adapter Kit – EDGEKTADPT05 Connect Edge Adapter Kit – EDGEKTADPT05P Connect Edge Adapter Kit Ethernet – EDGEKTADPT55 Connect Edge Adapter Kit Ethernet – EDGEKTADPT55P	
Application, Rating and Electrical Data		
Kit Contents	<ul style="list-style-type: none"> • 1x Connect Edge Sensor Adapter (05, 05P models) • 1x Connect Edge Sensor Adapter Ethernet (55, 55P models) • 1x USB-A to USB-C configuration cable • 1x USB-A to USB-C power cable • 1x Power supply and plugs (05, 55 models) • 6x Analog port plugs • 1x Digital port plugs • 2x Analog port labels • 3x Adhesive backed cable hooks 	
Application	The Connect Edge Sensor Adapter Kits provide a wired or wireless network connection to bridge data between independent sensors 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 +45°C	
Indoor/Outdoor Usage	Operating humidity range: 0% to 85% RH (non-condensing)	
Device Mounting	Indoor use only	
Sensor Connections	Device can be mounted to any flat surface using integrated magnets or attached adhesive strips.	
	6 Analog sensor inputs, 1 Digital sensor input	
Power Adapter and Specifications		
Power Adapter Model	Shenzhen Jiuzhou Power Technology Co., MODEL – J151-0503000IU	
Power Adapter Rating/Specifications	AC Voltage Input: 100-240 V AC, 50/60Hz - 0.6A DC Voltage Output: 5 V DC - 3000 mA	
Power Adapter Wire Length	3 m (9ft)	
Power Adapter Dimensions, Mass	57 x 37 x 38 mm (2.24 x 1.46 x 1.50 in), 70 g (2.5 oz)	
Networking Requirements		
Connection Type	Wi-Fi (05,05P models) or Ethernet (LAN) connection (55, 55P models)	
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) connection to Connect Edge Gateway (only)	
Adapter Hardware Design and Connection Ports		
Main Controller	Connect Edge Adapter	
Indicators and Buttons	RGB Configuration/Network LED status indicator Power LED status indicator 6 Analog Port LED status indicators	
Analog Sensor Ports	4-pin terminal block, 2.54mm pitch, Qty 6	
Digital Sensor Port	4-pin terminal block, 3.96mm pitch, Qty 1	
Analog Port Resolution	4-20mA mode: 833nA Voltage mode: 1.25mV	
Analog Port Accuracy	±0.2%	
USB-C power/config	USB-C for 5V power and configuration (via Connect Edge Gateway)	
Dimensions, Mass	120 x 92 x 33.5 mm (4.72" x 3.62" x 1.32"), 170 g (6 oz)	
Standards and Regulations		
FCC / IC IDs	Contains FCC ID: 2AN3WATOM, Contains IC: 29745-ATOMLITE	
Certification Marks	FCC, CE, MIC, RCM, VCCI	
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, BIS, WEEE & ROHS	
Country of Origin	China	

© 2024 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representatives for details.