

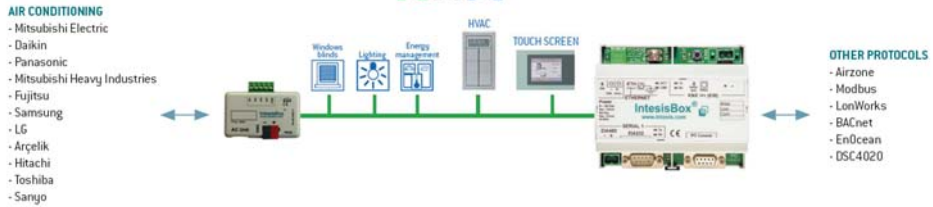
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The most advanced communication gateway solutions for the integration of systems

KNX



Modbus



BACNET



LON



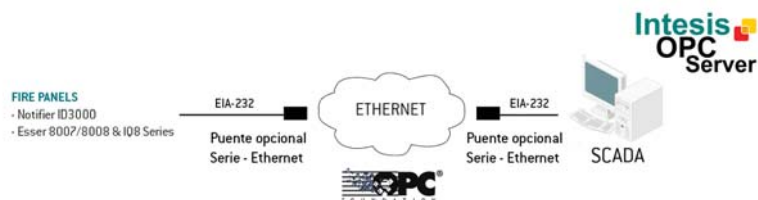
ASCII



ENOCEAN



OPC



KNX



Product	ME-AC-KNX-1-V2	ME-AC-KNX-1i	ME-AC-KNX-15/100	DK-AC-KNX-1	DK-AC-KNX-1i
For	Mitsubishi Electric A.C. (Domestic line / Mr.Slim / City Multi)*	Mitsubishi Electric A.C. (Domestic line / Mr.Slim / City Multi)*	Mitsubishi Electric A.C. (City Multi)	Daikin A.C. (Domestic line)	Daikin A.C. (Domestic line)
External Power	Not required	Not required	9 to 24Vdc or 24Vac	Not required	Not required
Features	Bidirectional Virtual temperature	Bidirectional Control and Status 4 Binary inputs	Bidirectional Virtual temperature	Bidirectional Virtual temperature	Bidirectional Control and Status 4 Binary inputs
Capacity	1 A.C. indoor unit	1 A.C. indoor unit	15, 100 A.C. indoor units	1 A.C. indoor unit	1 A.C. indoor unit
Setup	ETS	ETS	LinkBoxEIB	ETS	ETS
Communication	KNX TP CN105 / CN92 A.C. indoor unit	KNX TP CN105 / CN92 A.C. indoor unit	KNX TP G-50A/GB-50A/AG-150A/GB-50ADA	KNX TP S21 A.C. indoor unit	KNX TP S21 A.C. indoor unit
Size	59 x 36 x 21 mm	59 x 45 x 21 mm	DIN-Rail 6 modules	59 x 36 x 21 mm	59 x 45 x 21 mm

KNX



Product	DK-RC-KNX-1	MH-RC-KNX-1i	MH-AC-KNX-48/128	PA-AC-KNX-1i	PA-RC-KNX-1i
For	Daikin A.C. (SKY/VRV line)	Mitsubishi Heavy Industries A.C. (FD, KX6, KXR6)	Mitsubishi Heavy Industries A.C. (Superlink I&II)	Panasonic A.C. (Etherea line)	Panasonic VRF A.C. (FS, FSM)
External Power	Not required	Not required	9 to 24Vdc or 24Vac	Not required	Not required
Features	Bidirectional Control and Status	Bidirectional Control and Status 4 Binary inputs	Bidirectional Virtual temperature	Bidirectional Control and Status 4 Binary inputs	Bidirectional Control and Status 4 Binary inputs
Capacity	1 A.C. indoor unit	1 A.C. indoor unit	48, 128 A.C. indoor units	1 A.C. indoor unit	1 A.C. indoor unit
Setup	ETS	ETS	LinkBoxEIB	ETS	ETS
Communication	KNX TP P1/P2 Bus A.C. indoor unit	KNX TP X/Y Bus A.C. indoor unit	KNX TP VRF bus [Superlink I&II]	KNX TP CN-CNT A.C. indoor unit	KNX TP A/B Bus A.C. indoor unit
Size	71 x 71 x 27 mm	71 x 71 x 27 mm	215 x 170 x 65 mm	59 x 45 x 21 mm	71 x 71 x 27 mm

KNX



Product	PA-RC2-KNX-1i	PA-AC-KNX-64/128	FJ-RC-KNX-1i	AK-AC-KNX-4/8/16/64	LG-AC-KNX-4/8/16/64
For	Panasonic A.C. (ECOi, PACi)	Panasonic A.C. (ECOi, PACi)	Fujitsu A.C.*	Açelik A.C.*	LG A.C.*
External Power	Not required	9 to 24Vdc or 24Vac	Not required	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac
Features	Bidirectional Control and Status 4 Binary inputs	Bidirectional Full control	Bidirectional Control and Status 4 Binary inputs	Bidirectional Full control	Bidirectional Full control
Capacity	1 A.C. indoor unit	64, 128 A.C. indoor units	1 A.C. indoor unit	4, 8, 16, 64 A.C. indoor units	4, 8, 16, 64 A.C. indoor units
Setup	ETS	LinkBoxEIB	ETS	LinkBoxEIB	LinkBoxEIB
Communication	KNX TP R1/R2 Bus A.C. indoor unit	KNX TP EIA485 (CZ-CFUNC2)	KNX TP RWB Bus A.C. indoor unit	KNX TP Açelik EIA485 (PMNFP14A1 or PHNFP14A0)	KNX TP LG EIA485 (PMNFP14A1 or PHNFP14A0)
Size	71 x 71 x 27 mm	DIN-Rail 6 modules	71 x 71 x 27 mm	DIN-Rail 6 modules	DIN-Rail 6 modules

* Check compatibility list with the A.C. indoor unit models.

KNX



Product	SM-AC-KNX-4/8/16/64/128	HI-AW-KNX-1	IBOX-KNX-AIRZONE	IBOX-KNX-LON	IBOX-KNX-MBRTU
For	Samsung A.C.*	Hitachi A.W. (Yutaki series)	Airzone	LON	Modbus RTU Master
External Power	9 to 24Vdc or 24Vac	29V DC, 6mA	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac
Features	Bidirectional Full control	Bidirectional Control and Status	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control
Capacity	4, 8, 16, 64, 128 A.C. indoor units	1 A.W. indoor unit	4 CS and 32 zones per system	100, 500 or 4000 points	100, 500 or 3000 points
Setup	LinkBoxEIB	ETS	LinkBoxEIB	LinkBoxEIB	LinkBoxEIB
Communication	KNX TP Samsung EIA485 (MIM-B04A, MIM-B13x)	KNX TP Hitachi H-Link	KNX TP Airzone EIA485	KNX TP LON TP/FT-10	KNX TP Modbus EIA232 or EIA485
Size	DIN-Rail 6 modules	71 x 71 x 27 mm	DIN-Rail 6 modules	DIN-Rail 6 modules	DIN-Rail 6 modules

KNX



Product	IBOX-KNX-MBTCP	IBOX-KNX-BAC	IBOX-KNX-DSC4020	IBOX-KNX-ENO-A1 / C
For	Modbus TCP Master	BACnet/IP Client	DSC MAXSYS PC4020	EnOcean
External Power	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac	Not required
Features	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control	Bidirectional Internal LCD Multiple EEP's
Capacity	100, 500 or 3000 points	100, 500 or 4000 points	Up to 16 zones	32 channels / 5 devices per channel
Setup	LinkBoxEIB	LinkBoxEIB	LinkBoxEIB	ETS (plugin)
Communication	KNX TP Modbus Ethernet	KNX TP BACnet IP (Ethernet)	KNX TP DSC MAXSYS Data Interface Module PC4401	KNX TP EnOcean (wireless) Freq. 868MHz, 315 MHz
Size	DIN-Rail 6 modules	DIN-Rail 6 modules	DIN-Rail 6 modules	70 x 100 x 28 mm

Modbus



Product	ME-AC-MBS-1 / ME-AC-MBS-1-2110	ME-AC-MBS-50/100	MH-RC-MBS-1	MH-AC-MBS-48/128	DK-AC-MBS-1
For	Mitsubishi Electric A.C. (Domestic line / Mr.Slim / City Multi)*	Mitsubishi Electric A.C. (City Multi)	Mitsubishi Heavy Industries A.C. (FD, KX6, KXR6)	Mitsubishi Heavy Industries A.C. (Superlink I&II)	Daikin A.C. (Domestic line)
External Power	Not required	9 to 24Vdc or 24Vac	Not required	230 Vac	Not required
Features	Bidirectional 2 x DI + 1 x DO (2110)	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control
Capacity	1 A.C. indoor unit	50, 100 A.C. indoor units	1 A.C. indoor unit	48, 128 A.C. indoor units	1 A.C. indoor unit
Setup	Modbus registers	LinkBoxMB	Modbus registers	LinkBoxMB	Modbus registers
Communication	Modbus EIA485 CN105 / CN92 A.C. indoor unit	Modbus EIA232/EIA485 and/or TCP / G-50A/GB-50A/AG-150A/GB-50ADA	Modbus EIA485 X/Y Bus A.C. indoor unit	Modbus EIA232/EIA485 and/or TCP Bus VRF (Superlink I & II)	Modbus EIA485 S21 A.C. indoor unit
Size	93 x 53 x 58 mm	DIN-Rail 6 modules	93 x 53 x 58 mm	215 x 170 x 65 mm	93 x 53 x 58 mm

* Check compatibility list with the A.C. indoor unit models.

Modbus



Product	DK-RC-MBS-1	FJ-RC-MBS-1	PA-AW-MBS-1	PA-RC2-MBS-1	SM-AC-MBS-4/8/16/64/128	IBOX-MBS-KNX
For	Daikin A.C. (SKY/VRV line)	Fujitsu A.C.*	Panasonic A.W. (Aquaarea)	Panasonic A.C. (ECOi, PACi)	Samsung A.C.*	KNX
External Power	Not required	Not required	Not required	Not required	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac
Features	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control
Capacity	1 A.C. indoor unit	1 A.C. indoor unit	1 A.W. indoor unit	1 A.C. indoor unit	4, 8, 16, 64, 128 A.C. indoor units	100, 500 or 3000 control points
Setup	Modbus registers	Modbus registers	Modbus registers	Modbus registers	LinkBoxMB	LinkBoxMB
Communication	Modbus EIA485 P1/P2 Bus A.C. indoor unit	Modbus EIA485 RWB Bus A.C. indoor unit	Modbus EIA485 Cable to A.W. indoor unit	Modbus EIA485 R1/R2 Bus A.C. indoor unit	Modbus EIA232/EIA485 and/or TCP/Samsung EIA485 (MIM-B04A, MIM-B13x)	Modbus EIA232/EIA485 and/or TCP KNX TP
Size	93 x 53 x 58 mm	93 x 53 x 58 mm	93 x 53 x 58 mm	93 x 53 x 58 mm	DIN-Rail 6 modules	DIN-Rail 6 modules

Modbus



Product	IBOX-MBS-MBUS	IBOX-MBS-BAC	IBOX-MBS-BACMSTP	IBOX-MBS-LON	IBOX-MBS-DALI	IBOX-MBS-ATERSA
For	MBUS	BACnet IP Client	BACnet/MSTP	LON	DALI	ATERSA
External Power	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac	230Vac	9 to 24Vdc or 24Vac
Features	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control
Capacity	100, 600 or 2000 signals and 10, 60 or 500 devices	Up to 100, 500 or 3000 control points	100, 500 or 3000 control points	100, 500 or 3000 control points	64 ballasts and 16 DALI groups	99 devices in EIA485
Setup	LinkBoxMB	LinkBoxMB	LinkBoxMB	LinkBoxMB	LinkBoxMB	LinkBoxMB
Communication	Modbus EIA232/EIA485 and/or TCP MBUS EIA232/EIA485	Modbus EIA232/EIA485 and/or TCP BACnet IP (Ethernet)	Modbus EIA232/EIA485 and/or TCP BACnet EIA485	Modbus EIA232/EIA485 and/or TCP LON TP/FT-10	Modbus EIA232/EIA485 and/or TCP Bus DALI (2 cables)	Modbus EIA232/EIA485 and/or TCP ATERSA EIA485
Size	DIN-Rail 6 modules	DIN-Rail 6 modules	DIN-Rail 6 modules	DIN-Rail 6 modules	DIN-Rail 9 modules	DIN-Rail 6 modules

Modbus



Product	IBOX-MBS-FIDELIO	IBOX-MBS-TCP2RTU	IBOX-MBS-4SLAVE
For	FIDELIO IP	Modbus TCP Server - Modbus RTU Master	Up to 4 Masters Modbus
External Power	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac
Features	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control
Capacity	Check in/out for up to 1500 rooms	254 Modbus RTU Slave / 32 Modbus TCP Master	Master: 2 Modbus RTU and 2 Modbus TCP
Setup	LinkBoxMB	LinkBoxMB	LinkBoxMB
Communication	Modbus EIA232/EIA485 and/or TCP Fidelio IP	Modbus EIA232/EIA485 Modbus TCP	Modbus EIA232/EIA485 Modbus TCP
Size	DIN-Rail 6 modules	DIN-Rail 6 modules	DIN-Rail 6 modules

FIRE PANELS

IBOX-MBS-CERBERUS - SIEMENS - Cerberus CS11 and CS10 with ISO 1745 protocol

IBOX-MBS-FC330A - SIEMENS - Synova® FC330A

IBOX-MBS-ALGOREX - SIEMENS - Algorex

IBOX-MBS-ALGORI - ADEMCO - Algorinet BC216

IBOX-MBS-ESSER - ESSER - 8007/8008 and IQ8

IBOX-MBS-KILSEN - KILSEN - KSA 7XX

IBOX-MBS-ZITON - ZITON - ZP3 and ZP5

IBOX-MBS-NID3000 - NOTIFIER - ID3000, ID3002

IBOX-MBS-ID2NET - NOTIFIER - Up to 64 fire panels Notifier ID3000 in ID2NET network

IBOX-MBS-XLS80 - HONEYWELL - XLS-80

SECURITY PANELS

IBOX-MBS-GALAXY - HONEYWELL - Galaxy

* Check compatibility list with the A.C. indoor unit models.

BACNET



Product	PA-AC-BAC-64/128	IBOX-BAC-KNX	IBOX-BAC-MBRTU	IBOX-BAC-MBTCP	IBOX-BAC-LON
For	Panasonic A.C. (ECOi, PACi)	KNX	Modbus RTU	Modbus TCP	LON
External Power	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac
Features	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control
Capacity	64, 128 A.C. indoor units	100, 500 or 3000 control points	100, 500 or 3000 control points / 254 RTU slaves	100, 500 or 3000 control points / 5 RTU slaves	100, 500 or 3000 control points / 128 devices
Setup	LinkBoxBAC	LinkBoxBAC	LinkBoxBAC	LinkBoxBAC	LinkBoxBAC
Communication	BACnet IP EIA485 (CZ-CFUNC2)	BACnet IP KNX TP	BACnet IP Modbus EIA232/EIA485 o TCP	BACnet IP Modbus TCP	BACnet IP LON TP/FT-10
Size	DIN-Rail 6 modules	DIN-Rail 6 modules	DIN-Rail 6 modules	DIN-Rail 6 modules	DIN-Rail 6 modules

BACNET



Product	IBOX-BAC-FIDELIO_IP	IBOX-BAC-MBUS	IBOX-BAC-DALI	IBOX-BAC-SUNWAYS	IBOX-BAC-NID3000
For	Fidelio IP	MBUS	DALI	SUNWAYS	Notifier ID3000
External Power	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac	230Vac	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac
Features	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control
Capacity	Check in/out for up to 1500 rooms	100, 600 or 2000 signals and 10, 60 or 500 devices	64 ballasts and 16 groups DALI	32 devices	Compatible with ID3000, ID3002
Setup	LinkBoxBAC	LinkBoxBAC	LinkBoxBAC	LinkBoxBAC	LinkBoxBAC
Communication	BACnet IP Fidelio IP	BACnet IP MBUS EIA232/EIA485	BACnet IP Bus DALI (2 wire)	BACnet IP SUNWAYS EIA485	BACnet IP Notifier EIA232
Size	DIN-Rail 6 modules	DIN-Rail 6 modules	DIN-Rail 9 modules	DIN-Rail 6 modules	DIN-Rail 6 modules

LON



IBOX-LON-KNX

Product	ME-AC-LON-1	IBOX-LON-PANURBAN	IBOX-LON-KNX
For	Mitsubishi Electric A.C. (Domestic line / Mr.Slim / City Multi)*	Panasonic A.C.*	KNX
External Power	Not required	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac
Features	Bidirectional Full control	Bidirectional Full control	Bidirectional Full control
Capacity	1 A.C. indoor unit	1221 network variables	200, 500 or 4000 points
Setup	LonWorks compatible tool	LonWorks compatible tool	LinkBoxLON
Communication	LON TP/FT-10 CN105 / CN92 A.C. indoor unit	LON TP/FT-10 PANASONIC CZ-01FULAP (EIA232)	LON TP/FT-10 KNX TP
Size	93 x 53 x 58 mm	DIN-Rail 9 modules	DIN-Rail 9 modules

ASCII



Product	IBOX-ASCII-KNX	IBOX-ASCII-LON	IBOX-ASCII-BAC
For	KNX	LON	BACnet
External Power	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac	9 to 24Vdc or 24Vac
Features	Bidirectional	Bidirectional	Bidirectional
Capacity	4000 Control points	500 or 4000 points and 64 or 128 LON devices	500 or 4000 points and 64 BACnet/IP devices
Setup	LinkBoxEIB	LinkBoxASCII	LinkBoxBAC
Communication	ASCII EIA232 KNX TP	ASCII EIA232 LON TP/FT-10	ASCII EIA232 BACnet/IP
Size	DIN-Rail 6 modules	DIN-Rail 6 modules	DIN-Rail 6 modules

* Check compatibility list with the A.C. indoor unit models.

ENOCEAN



Product	ME-AC-ENO-1 / 1C	MH-RC-ENO-1i / 1iC	DK-AC-ENO-1 / 1C	DK-RC-ENO-1i / 1iC	PA-AC-ENO-1i / 1iC
For	Mitsubishi Electric A.C. (Domestic line / Mr.Slim / City Multi)*	Mitsubishi Heavy Industries A.C. (FD, KX6, KXR6)	Daikin A.C. (Domestic line)	Daikin A.C. (SKY/VRV line)	Panasonic A.C. (Etherea line)
External Power	Not required	Not required	Not required	Not required	Not required
Features	Bidirectional Multiple EEP's Repeater functionality	Bidirectional Multiple EEP's 4 Binary inputs	Bidirectional Multiple EEP's Repeater functionality	Bidirectional Multiple EEP's 4 Binary inputs	Bidirectional Multiple EEP's 4 Binary inputs
Capacity	1 A.C. indoor unit	1 A.C. indoor unit	1 A.C. indoor unit	1 A.C. indoor unit	1 A.C. indoor unit
Communication	EnOcean (wireless) Freq. 868MHz, 315 MHz CN105 / CN92 A.C. indoor unit	EnOcean (wireless) Freq. 868MHz, 315 MHz X/Y Bus A.C. indoor unit	EnOcean (wireless) Freq. 868MHz, 315 MHz S21 A.C. indoor unit	EnOcean (wireless) Freq. 868MHz, 315 MHz P1/P2 Bus A.C. indoor unit	EnOcean (wireless) Freq. 868MHz, 315 MHz CN-CNT A.C. indoor unit
Size	71 x 71 x 27 mm	70 x 100 x 28 mm	71 x 71 x 27 mm	70 x 100 x 28 mm	70 x 100 x 28 mm

ENOCEAN



Product	USB-ENO / C	USB-ENO-ASCII / C	USB-ENO-ASCII-U / C	IS-TK04 / C	IS-TK65 / C
For	USB	IntesisBox gateways for A.C.	ASCII Universal	Room controller and temperature sensor	Wireless external temperature sensor
External Power	Not required (USB)	Not required (USB)	Not required (USB)	Not required (Solar panel)	Not required (Solar panel)
Features	Bidirectional ESP2 and ESP3 compatible Repeater functionality	Bidirectional Control through ASCII	Bidirectional Repeater functionality ASCII BMS integration	On/Off Setpoint and ambient temperature Fan speed	External temperature sensor
Capacity	Unlimited sensors / 128 actuators	Up to 10 gateways for A.C.	99 Rx channels / 128 Tx	Ambient temperature range: 0°C...+40°C	Ambient temperature range: -20°C...+60°C
Communication	EnOcean (wireless) Freq. 868MHz, 315 MHz USB	EnOcean (wireless) Freq. 868MHz, 315 MHz USB	EnOcean (wireless) Freq. 868MHz, 315 MHz USB	EnOcean (wireless) Freq. 868MHz, 315 MHz	EnOcean (wireless) Freq. 868MHz, 315 MHz
Size	71 x 71 x 27 mm	71 x 71 x 27 mm	71 x 71 x 27 mm	84,5 x 84,5 x 25 mm	78 x 58 x 45,5 mm

OPC

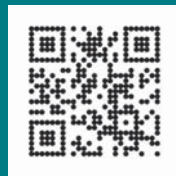


Product	IS-OPC-NID3K	IS-OPC-ESSER
For	OPC Server for Notifier ID3000 Series	OPC Server for ESSER 8007/8008/IQ8
Features	OPC 1.0a and 2.0 specification	Unlimited panels OPC 1.0a and 2.0 specification



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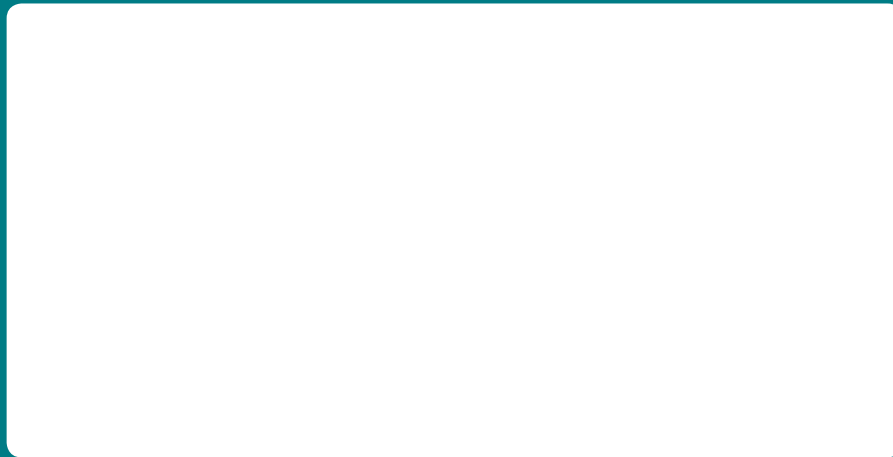


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