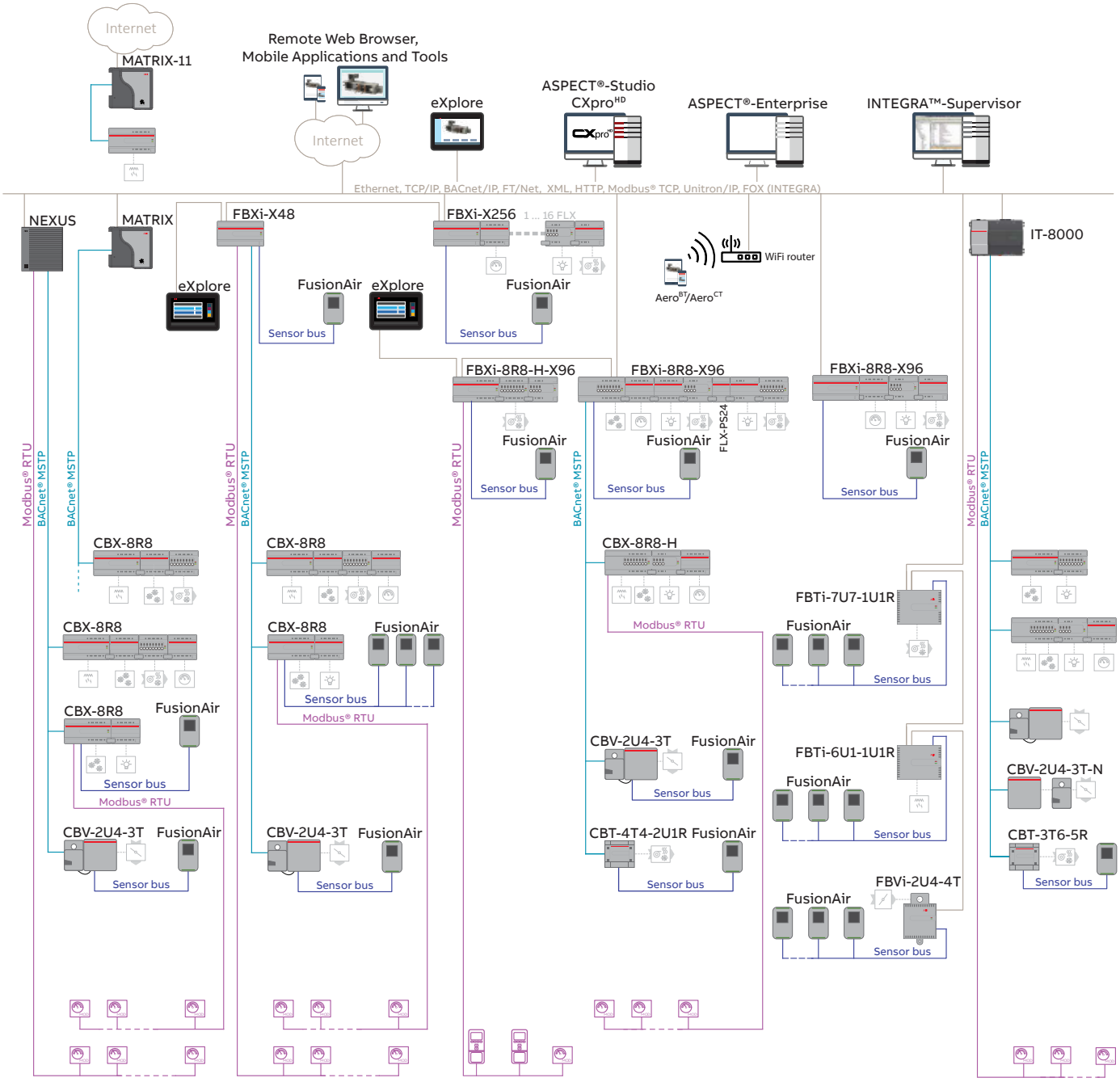
ABB Cylon® Building Solutions

Product catalog

System architecture



FBXi / CBXi-8R8 / CBX-8R8
CBXi-8R8-H / CBX-8R8-H
CBV-2U4-3T
FLX-8R8 / FLX-4R4 / FLX-16DI

FLX-8R8 -H
FLX-4R4-H
FLX-PS24
CBT-4T4-2U1R

FBVi-2U4-4T
NEXUS Series
MATRIX Series

INTEGRA Series
eXplore

FusionAir Smart Sensor
CBT-STAT
UCU Room Display

ASPECT® control engines (ACE)

MATRIX-216

MATRIX-232

Description	Order details	
	Catalog no.	Alternate catalog no.
MATRIX-216 MATRIX ACE (ABB Cylon® ASPECT® control engine) with embedded ASPECT® runtime engine and web UI, includes 2 RS-485 ports, configurable for 9.6 to 115.2 kbps, capable of supporting up to a total of 16 devices (either RS-485 or TCP/IP) or 750 points. Support for 2 RS-485 protocols (BACnet MS/TP, Modbus RTU, AAM PUP or Teletrol TSC) and a maximum of 64 devices per port (with additional licenses). One RJ-45 10/100 Mbps Ethernet port with TCP/IP support for FT/Net, BACnet/IP, Modbus TCP and ABB Cylon® Unitron. Field upgradeable to support a maximum of 2,500 points and 128 devices as a combination of either TCP/IP or RS-485 connections.	2CQG100102R1021	MATRIX-216
MATRIX-232 MATRIX ACE (ABB Cylon® ASPECT® control engine) with embedded ASPECT® runtime engine and web UI, includes 2 RS-485 ports, configurable for 9.6 to 115.2 kbps, capable of supporting up to a total of 32 devices (either RS-485 or TCP/IP) or 1,250 points. Support for 2 RS-485 protocols (BACnet MS/TP, Modbus RTU, AAM PUP or Teletrol TSC) and a maximum of 64 devices per port (with additional licenses). One RJ-45 10/100 Mbps Ethernet port with TCP/IP support for FT/Net, BACnet/IP, Modbus TCP and ABB Cylon® Unitron. Field upgradeable to support a maximum of 2,500 points and 128 devices as a combination of either TCP/IP or RS-485 connections.	2CQG100103R1021	MATRIX-232

ASPECT® control engines (ACE)

MATRIX-264

MATRIX-296

Description	Order details	
	Catalog no.	Alternate catalog no.
MATRIX-264 MATRIX ACE (ABB Cylon® ASPECT® control engine) with embedded ASPECT® runtime engine and web UI, includes 2 RS-485 ports, configurable for 9.6 to 115.2 kbps, capable of supporting up to a total of 64 devices (either RS-485 or TCP/IP) or 1,750 points. Support for 2 RS-485 protocols (BACnet MS/TP, Modbus RTU, AAM PUP or Teletrol TSC) and a maximum of 64 devices per port (with additional licenses). One RJ-45 10/100 Mbps Ethernet port with TCP/IP support for FT/Net, BACnet/IP, Modbus TCP and ABB Cylon® Unitron. Field upgradeable to support a maximum of 2,500 points and 128 devices as a combination of either TCP/IP or RS-485 connections.	2CQG100104R1021	MATRIX-264
MATRIX-296 MATRIX ACE (ABB Cylon® ASPECT® control engine) with embedded ASPECT® runtime engine and web UI, includes 2 RJ-485 ports, configurable for 9.6 to 115.2 kbps, capable of supporting up to a total of 96 devices (either RS-485 or TCP/IP) or 2,000 points. Support for 2 RS-485 protocols (BACnet MS/TP, Modbus RTU, AAM PUP or Teletrol TSC) and a maximum of 64 devices per port. One RJ-45 10/100 Mbps Ethernet port with TCP/IP support for FT/Net, BACnet/IP, Modbus TCP and ABB Cylon® Unitron. Field upgradeable to support a maximum of 2,500 points and 128 devices as a combination of either TCP/IP or RS-485 connections.	2CQG100105R1021	MATRIX-296

ASPECT® control engines (ACE)

NEXUS-2128

NEXUS-264

Description	Order details	
	Catalog no.	Alternate catalog no.
NEXUS-2128 NEXUS ACE (ABB Cylon® ASPECT® control engine) with embedded ASPECT® runtime engine and web UI, includes 2 RS-485 ports, configurable for 9.6 to 115.2 kbps, capable of supporting up to a total of 128 devices (either RS-485 or TCP/IP) or 8,000 points. Support for 2 RS-485 protocols (BACnet MS/TP, Modbus RTU or AAM PUP). One RJ-45 10/100/1000 Mbps Ethernet port with TCP/IP support for FT/Net, BACnet/IP, Modbus TCP and Unitron. Field upgradeable to support a maximum of 10,000 points and 128 devices as a combination of either TCP/IP or RS-485 connections.	2CQG100102R2021	NEXUS-3-2128
NEXUS-264 NEXUS ACE (ABB Cylon® ASPECT® control engine) with embedded ASPECT® runtime engine and web UI, includes 2 RS-485 ports, configurable for 9.6 to 115.2 kbps, capable of supporting up to a total of 64 devices (either RS-485 or TCP/IP) or 4,000 points. Support for 2 RS-485 protocols (BACnet MS/TP, Modbus RTU or AAM PUP). One RJ-45 10/100/1000 Mbps Ethernet port with TCP/IP support for FT/Net, BACnet/IP, Modbus TCP and Unitron. Field upgradeable to support a maximum of 10,000 points and 128 devices as a combination of either TCP/IP or RS-485 connections.	2CQG100103R2021	NEXUS-3-264

ABB Cylon® ASPECT® supervisor and engineering

Description	Order details	
	Catalog no.	Alternate catalog no.
ASPECT®-Studio end-user license Downloadable software and software license. Non-expiring license including maintenance updates within a single major version. Note: This license is not upgradable to a new major version.	2CQG103401S3021	ASP-STU-EU
ASPECT®-Studio end-user upgrade Allows an ASPECT®-Studio end-user license to be upgraded to the next major version.	2CQG103402S3021	ASP-STU-EU-UPG
ASPECT®-Studio single-user license (soft license) The ASPECT®-Studio single-user license is used to program ASPECT® projects for a period of 12 months from date of issue. Contains 1 software dongle. Using this highly intuitive software environment, create and define all necessary elements for a project — including network device and point programming, global control sequencing, historical trending, alarming and scheduling as well as rich graphical user interface pages. Features: • Complete library of elements including logic, math and time, as well as specialized functions for database and protocol-specific capabilities. • Time-saving programming functions • Powerful simulation environment • Using defined information, ASPECT®-Studio will autogenerate an HTML5 UI	2CQG103403S3021	ASP-STU

ABB Cylon® ASPECT® supervisor and engineering

Description	Order details	
	Catalog no.	Alternate catalog no.
ASPECT®-Studio add x 1 (soft license) Downloadable software and software license. License and support for one additional user to work with ASPECT®-Studio for 12 months from date of issue.	2CQG103404S3021	ASP-STU-A
ASPECT®-Enterprise 2 ASPECT®-Enterprise software with support for 2 FT/Net connections (ABB Cylon® ASPECT® control engines) or 15,000 points. Runs on VMWare. Field upgradeable to support a maximum of 256 TCP/IP connections or 100,000 points.	2CQG103202S3021	ASPECT-ENT-2
ASPECT®-Enterprise 12 ASPECT®-Enterprise software with support for 12 FT/Net connections (ABB Cylon® ASPECT® control engines) or 25,000 points. Runs on VMWare. Field upgradeable to support a maximum of 256 TCP/IP connections or 100,000 points.	2CQG103201S3021	ASPECT-ENT-12
ASPECT®-Enterprise 96 ASPECT®-Enterprise software with support for 96 FT/Net connections (ABB Cylon® ASPECT® control engines) or 50,000 points. Runs on VMWare. Field upgradeable to support a maximum of 256 TCP/IP connections or 100,000 points.	2CQG103204S3021	ASPECT-ENT-96
ASPECT®-Enterprise 256 ASPECT®-Enterprise software with support for 256 FT/Net connections (ABB Cylon® ASPECT® control engines) or 100,000 points. Runs on VMWare.	2CQG103203S3021	ASPECT-ENT-256

ABB Cylon® ASPECT® license upgrades

Description	Order details	
	Catalog no.	Alternate catalog no.
MATRIX series upgrade add 8 devices License file to upgrade MATRIX ASPECT® control engine (ACE). Adds support for an additional 8 devices or 250 points. Multiple MAX-LP-16 may be purchased to reach a maximum of 2,500 points and 128 devices as a combination of either TCP/IP or RS-485 connections.	2CQG100101R1021	MAT-LP-8
NEXUS series upgrade add 16 devices License file to upgrade NEXUS-264 ASPECT® control engine (ACE). Adds support for an additional 16 devices or 1,000 points. Multiple NEX-LP-16 may be purchased to reach a maximum of 10,000 points and 128 devices as a combination of either TCP/IP or RS-485 connections.	2CQG100101R2021	NEX-LP-16
Field license upgrade/change Used when license upgrade is not purchased at time of initial order. Used to move or change an existing license at the request of customer. Applies to all license changes for MATRIX, NEXUS or ASPECT-Enterprise®.	2CQG103704S3021	ASP-LIC-CHG
ASPECT®-Enterprise control engine add license pack Adds support for 1 FT/Net connection (ASPECT® control engine) or 7,500 points to ASPECT-ENT-XXX.	2CQG103205S3021	ENT-ACE-1

ABB Cylon® ASPECT® license upgrades

Description	Order details	
	Catalog no.	Alternate catalog no.
ASPECT®-Enterprise 16 device TCP add license pack Adds support for 16 devices or 800 points of BACnet/IP or Modbus TCP to ASPECT®-ENT-XXX.	2CQG103207S3021	ENT-TCP-16
ASPECT®-Enterprise 32 device TCP add license pack Adds support for 32 devices or 1,600 points of BACnet/IP or Modbus TCP to ASPECT®-ENT-XXX.	2CQG103209S3021	ENT-TCP-32
ASPECT®-Enterprise 64 device TCP add license pack Adds support for 64 devices or 3,200 points of BACnet/IP or Modbus TCP to ASPECT®-ENT-XXX.	2CQG103210S3021	ENT-TCP-64
ASPECT®-Enterprise 128 device TCP add license pack Adds support for 128 devices or 6,400 points of BACnet/IP or Modbus TCP to ASPECT®-ENT-XXX.	2CQG103206S3021	ENT-TCP-128
ASPECT®-Enterprise 256 device TCP add license pack Adds support for 256 devices or 12,800 points of BACnet/IP or Modbus TCP to ASPECT®-ENT-XXX.	2CQG103208S3021	ENT-TCP-256
Upgrade from ASPECT®-ENT-12 to ASPECT®-ENT-96 ASPECT®-Enterprise license file to upgrade from ASPECT®-ENT-12 (or lower) to ASPECT®-ENT-96. Requires ENT-LIC-CHG.	2CQG103212S3021	ENT-UP-96
Upgrade from ASPECT®-ENT-96 to ASPECT®-ENT-256 ASPECT®-Enterprise license file to upgrade from ASPECT®-ENT-96 to ASPECT®-ENT-256. Requires ENT-LIC-CHG.	2CQG103211S3021	ENT-UP-256

INTEGRA™ control engines

Description	Order details	
	Catalog no.	Alternate catalog no.
IT-8000-NOWIFI INTEGRA™ N4 network controller with embedded webserver, includes 2 isolated RS-485 ports, configurable for 9.6 to 115.2 kbps. Support for 2 RS-485 protocols (BACnet MS/TP, LON, Modbus RTU). Two RJ-45 10/100 Mbps Ethernet with TCP/IP support for FOX, BACnet/IP and Modbus TCP. NO WiFi connectivity. Web interface, embedded workbench, integrated power supply and USB backup and restore.	2CQG150133R2011	IT-8000-NOWIFI
IT-8000-USWIFI INTEGRA™ N4 network controller with embedded webserver, includes 2 isolated RS-485 ports, configurable for 9.6 to 115.2 kbps. Support for 2 RS-485 protocols (BACnet MS/TP, LON, Modbus RTU). Two RJ-45 10/100 Mbps Ethernet with TCP/IP support for FOX, BACnet/IP and Modbus TCP. WiFi connectivity 802.11 a/b/g/n (US WLAN country code). Web interface, embedded workbench, integrated power supply and USB backup and restore.	2CQG150101R2011	IT-8000-USWIFI
IT-8000-WWWIFI INTEGRA™ N4 network controller with embedded webserver, includes 2 isolated RS-485 ports, configurable for 9.6 to 115.2 kbps. Support for 2 RS-485 protocols (BACnet MS/TP, LON, Modbus RTU). Two RJ-45 10/100 Mbps Ethernet with TCP/IP support for FOX, BACnet/IP and Modbus TCP. WiFi connectivity 802.11 a/b/g/n (worldwide WLAN code). Web interface, embedded Workbench, integrated power supply and USB backup and restore.	2CQG150102R2011	IT-8000-WWWIFI
IT-8005-USWIFI Bundled IT-8000 with America WLAN country code WiFi enabled. Includes core license for 5 devices or 250 points. Made up of IT-8000-WIFI + IT8-005-COR + IT8-005-SM0.	2CQG150103R2011	IT-8005-USWIFI
IT-8005-WWWIFI Bundled IT-8000 with worldwide WLAN code WiFi enabled. Includes core license for 5 devices or 250 points. Made up of IT-8000-WIFI + IT8-005-COR + IT8-005-SM0.	2CQG150104R2011	IT-8005-WWWIFI

INTEGRA™ control engines

Description	Order details	
	Catalog no.	Alternate catalog no.
IT-8010-USWIFI Bundled IT-8000 with America WLAN country code WiFi enabled. Includes core license for 10 devices or 500 points. Made up of IT-8000-WIFI + IT8-010-COR + IT8-010-SM0.	2CQG150105R2011	IT-8010-USWIFI
IT-8010-WWWIFI Bundled IT-8000 with worldwide WLAN code WiFi enabled. Includes core license for 10 devices or 500 points. Made up of IT-8000-WIFI + IT8-010-COR + IT8-010-SM0.	2CQG150106R2011	IT-8010-WWWIFI
IT-8025-USWIFI Bundled IT-8000 with America WLAN country code WiFi enabled. Includes includes core license for 25 devices or 1,250 points. Made up of IT-8000-WIFI + IT8-025-COR + IT8-025-SM0.	2CQG150107R2011	IT-8025-USWIFI
IT8-005-COR IT-8000 device core software license file. Adds support for up to 5 devices or 250 points. Requires IT-8000 and IT8-005-SM0.	2CQG150107S4061	IT8-005-COR
IT-8025-WWWIFI Bundled IT-8000 with worldwide WLAN code WiFi enabled. Includes includes core license for 25 devices or 1,250 points. Made up of IT-8000-WIFI + IT8-025-COR + IT8-025-SM0.	2CQG150108R2011	IT-8025-WWWIFI
IT-8100-USWIFI Bundled IT-8000 with America WLAN country code WiFi enabled. Includes core license for 100 devices or 5,000 points. Made up of IT-8000-WIFI + IT8-100-COR + IT8-100-SM0.	2CQG150109R2011	IT-8100-USWIFI
IT-8100-WWWIFI Bundled IT-8000 with worldwide WLAN code WiFi enabled. Includes core license for 100 devices or 5,000 points. Made up of IT-8000-WIFI + IT8-100-COR + IT8-100-SM0.	2CQG150110R2011	IT-8100-WWWIFI
IT8-010-COR IT-8000 device core software license file. Adds support for up to 10 devices or 500 points. Requires IT-8000 and IT8-010-SM0.	2CQG150110S4061	IT8-010-COR

INTEGRA™ control engines

Description	Order details	
	Catalog no.	Alternate catalog no.
IT-8200-USWIFI Bundled IT-8000 with America WLAN country code WiFi enabled. Includes core license for 200 devices or 10,000 points. Made up of IT-8000-WIFI + IT8-200-COR + IT8-200-SM0.	2CQG150111R2011	IT-8200-USWIFI
IT8-010-DCP IT-8000 initial device capacity pack license. Purchased at time of initial order with core software. Adds support for an additional 10 devices or 500 points to the core (IT8-XXX-COR).	2CQG150111S4061	IT8-010-DCP
IT-8200-WWWIFI Bundled IT-8000 with worldwide WLAN code WiFi enabled. Includes core license for 200 devices or 10,000 points. Made up of IT-8000-WIFI + IT8-200-COR + IT8-200-SM0.	2CQG150112R2011	IT-8200-WWWIFI
IT8-010-DCU IT-8000 device capacity upgrade license. Purchased any time after initial core software purchase. Adds support for an additional 10 devices or 500 points to the core (IT8-XXX-COR).	2CQG150112S4061	IT8-010-DCU
IT8-025-COR IT-8000 device core software license file. Adds support for up to 25 devices or 1,250 points. Requires IT-8000 and IT8-025-SM0.	2CQG150113S4061	IT8-025-COR
IT8-025-DCP IT-8000 initial device capacity pack license. Purchased at time of initial order with core software. Adds support for an additional 25 devices or 1,250 points to the core (IT8-XXX-COR).	2CQG150114S4061	IT8-025-DCP
IT8-025-DCU IT-8000 field capacity upgrade license. Purchased any time after initial core software purchase. Adds support for an additional 25 devices or 1,250 points to the core (IT8-XXX-COR).	2CQG150115S4061	IT8-025-DCU
IT8-050-DCP IT-8000 initial device capacity pack license. Purchased at time of initial order with core software. Adds support for an additional 50 devices or 2,500 points to the core (IT8-XXX-COR).	2CQG150116S4061	IT8-050-DCP

INTEGRA™ control engines

Description	Order details	
	Catalog no.	Alternate catalog no.
IT8-050-DCU IT-8000 field capacity upgrade license. Purchased any time after initial core software purchase. Adds support for an additional 50 devices or 2,500 points to the core (IT8-XXX-COR).	2CQG150117S4061	IT8-050-DCU
IT8-100-COR IT-8000 device core software license file. Adds support for up to 100 devices or 5,000 points. Requires IT-8000 and IT8-100-SM0.	2CQG150119S4061	IT8-100-COR
IT8-200-COR IT-8000 device core software license file. Adds support for up to 200 devices or 10,000 points. Requires IT-8000 and IT8-200-SM0.	2CQG150120S4061	IT8-200-COR
IT8-DEMO DEMO VERSION of INTEGRA™ IT-8000 controller, includes 2 EIA-485 ports, configurable for 9.6 to 115.2 kbps. Support for 2 RS-485 protocols (BACnet MS/TP, LON, Modbus RTU, AAM PUP). Two RJ-45 10/100 Mbps Ethernet with TCP/IP support for FOX, BACnet/IP and Modbus TCP. WiFi connectivity 802.11 a/b/g/n. Web interface, embedded workbench, integrated power supply and USB backup and restore. Includes core DEMO license file with support for up to 500 devices or 25,000 points and all standard drivers.	2CQG150113R2011	IT8-DEMO
IT8-EIO-16 IT-8000 16 point expansion IO module. Powered by IT8-EIO-34 or external 15 V DC power supply. Connects to the IT-8000 remotely using RS-485. Features 8 UI, 4 DO and 4 AO. Requires IT-8000 and Niagara4 version 4.3 or higher.	2CQG150134R2011	IT8-EIO-16
IT8-EIO-34 IT-8000 34 point expansion IO module. Powered by an external 24 V AC/DC power supply. Connects to the IT-8000 remotely using RS-485. Features 16 UI, 10 DO and 8 AO. Requires IT-8000 and Niagara4 version 4.3 or higher.	2CQG150135R2011	IT8-EIO-34

INTEGRA™ control engine accessories

Description	Order details	
	Catalog no.	Alternate catalog no.
IT8-NPB-LON LON module IT-8000 add-on single port LON FTT10A module	2CQG155803P2061	IT8-NPB-LON
IT8-NPB-2X-485 dual port RS-485 IT-8000 add-on dual port RS-485 module	2CQG155804P2061	IT8-NPB-2X-485
IT8-NPB-232 single port RS-232 IT-8000 add-on single port RS-232 module	2CQG155805P2061	IT8-NPB-232
IT8-WPM wall PSU IT-8000 wall plug module. 100–240 VA C, 50/60 Hz. Connect to the 2.5 mm barrel plug, 24 V input to the IT-8000 and includes US, EU, UK and AU plugs.	2CQG155806P2061	IT8-WPM
IT8-WIFI-EXT WLAN antenna extension IT-8000 extension cable and bracket for WLAN antenna	2CQG155808P2061	IT8-WIFI-EXT

INTEGRA™ control engine drivers

Description	Order details	
	Catalog no.	Alternate catalog no.
IT8-DR-AC driver Andover AC256 IT-8000 driver for Andover Controls AC256 over RS-232 or RS-485. (Beta version only)	2CQG150301S4061	IT8-DR-AC
IT8-DR-AINF driver Andover Infinity IT-8000 driver for Andover Controls Infinity.	2CQG150302S4061	IT8-DR-AINF
IT8-DR-APHP driver AAM PHP IT-8000 driver for American Auto-MATRIX PHP over RS-232 or RS-485. Manufactured by 3rd party. Limited support.	2CQG150303S4061	IT8-DR-APHP
IT8-DR-APUP driver AAM PUP IT-8000 driver for American Auto-MATRIX PUP over RS-232 or RS-485. Manufactured by 3rd party. Limited support.	2CQG150304S4061	IT8-DR-APUP
IT8-DR-CCN driver Carrier Comfort Network IT-8000 driver for Carrier Comfort Network.	2CQG150305S4061	IT8-DR-CCN
IT8-DR-FLEX driver Flex IT-8000 driver for Flex over RS-232 or RS-485.	2CQG150306S4061	IT8-DR-FLEX
IT8-DR-MCQUAY driver McQuay to OPM IT-8000 driver for McQuay to OPM driver.	2CQG150312S4061	IT8-DR-MCQUAY

INTEGRA™ control engine drivers

Description	Order details	
	Catalog no.	Alternate catalog no.
IT8-DR-MFID driver micros Fidelio IP IT-8000 driver for Micros Fidelio IP driver.	2CQG150313S4061	IT8-DR-MFID
IT-8000 driver for Veeder-Root over RS-232 or RS-485 Requires IT8-OS-AX. Supported in AX version 3.8U1 only.	2CQG150314S4061	IT8-DR-VDRT
IT8-FIPS FIPS 140-2 Level 1 Provides FIPS 140-2 Level 1 conformance using the integrated FIPS certified BouncyCastle module for IT-8000. Requires IT-8000 version 4.6 and later.	2CQG150315S4061	IT8-FIPS

INTEGRA™ enterprise drivers

Description	Order details	
	Catalog no.	Alternate catalog no.
ITS-DEMO DEMO Supervisor DEMO version of INTEGRA-Supervisor software for Windows OS. Includes all available drivers. License will renew annually with the receipt of annual support fee. NOTE: Demo licenses for partner engineering and demo use only. Not for end user sales.	2CQG150501S4061	ITS-DEMO
ITS-DR-CSV Supervisor driver CSV INTEGRA-Supervisor CSV database driver. Requires ITS-XXX-SUP.	2CQG150502S4061	ITS-DR-CSV
ITS-DR-MYSQL Supervisor driver MySQL INTEGRA-Supervisor MYSQL database driver. Requires ITS-XXX-SUP.	2CQG150503S4061	ITS-DR-MYSQL
ITS-DR-ORCL Supervisor driver Oracle 11G INTEGRA-Supervisor Oracle 11G database driver. Requires ITS-XXX-SUP.	2CQG150505S4061	ITS-DR-ORCL
INTEGRA-Supervisor SQL database driver. Requires ITS-XXX-SUP.	2CQG150506S4061	ITS-DR-SQL
ITS-DR-JSON Supervisor driver JSON INTEGRA-Supervisor JSON toolkit for Supervisor. SMA required.	2CQG150507S4061	ITS-DR-JSON

INTEGRA™ enterprise software

Description	Order details	
	Catalog no.	Alternate catalog no.
ITS-000-SUP core 0 connections INTEGRA-Supervisor software core with support for 0 Niagara network connections. Includes standard drivers. Requires ITS-000-SM0. Typically used to manage TCP/IP field devices (requires ITS-XXX-DIP).	2CQG153202S4061	ITS-000-SUP
ITS-001-ADD add 1 connections Adds one additional Niagara connection to INTEGRA-Supervisor core ITS-000-SUP to ITS-100-SUP.	2CQG153203S4061	ITS-001-ADD
ITS-001-SUP core 1 connections INTEGRA-Supervisor software core with support for 1 Niagara network connection. Includes standard drivers. Requires ITS-001-SM0.	2CQG153204S4061	ITS-001-SUP
INTEGRA-Supervisor software core with support for 2 Niagara network connections Includes standard drivers. Requires ITS-002-SM0.	2CQG153205S4061	ITS-002-SUP
INTEGRA-Supervisor software core with support for 3 Niagara network connections Includes standard drivers. Requires ITS-003-SM0.	2CQG153206S4061	ITS-003-SUP
Adds the ability for an ITS-000-SUP, ITS-001-SUP, ITS-002-SUP or ITS-003-SUP to run 5 additional stations. Typically used for small site multi-tenant options.	2CQG153207S4061	ITS-005-STN
INTEGRA-Supervisor device INTEGRAtion Pack license Adds support for 10 non-Niagara devices or 500 points to INTEGRA-Supervisor core software (ITS-XXX-SUP). Standard drivers included. Requires ITS-XXX-SUP.	2CQG153208S4061	ITS-010-DIP
ITS-010-SUP core 10 connections INTEGRA-Supervisor software core with support for 10 Niagara network connections. Includes standard drivers. Requires ITS-010-SM0.	2CQG153209S4061	ITS-010-SUP

INTEGRA™ enterprise software

Description	Order details	
	Catalog no.	Alternate catalog no.
INTEGRA-Supervisor device INTEGRAtion pack license Adds support for 25 non-Niagara devices or 1,250 points to INTEGRA-Supervisor core software (ITS-XXX-SUP). Standard drivers included. Requires ITS-XXX-SUP.	2CQG153210S4061	ITS-025-DIP
INTEGRA-Supervisor fevice INTEGRAtion pack license Adds support for 50 non-Niagara devices or 2,500 points to INTEGRA-Supervisor core software (ITS-XXX-SUP). Standard drivers included. Requires ITS-XXX-SUP.	2CQG153211S4061	ITS-050-DIP
INTEGRA-Supervisor device INTEGRAtion pack license Adds support for 1,000 non-Niagara devices or 50,000 points to INTEGRA-Supervisor core software (ITS-XXX-SUP). Standard drivers included. Requires ITS-XXX-SUP.	2CQG153212S4061	ITS-1000-DIP
INTEGRA-Supervisor device INTEGRAtion pack license Adds support for 100 non-Niagara devices or 5,000 points to INTEGRA-Supervisor core software (ITS-XXX-SUP). Standard drivers included. Requires ITS-XXX-SUP.	2CQG153213S4061	ITS-100-DIP
ITS-100-SUP core 100 connections INTEGRA-Supervisor software core with support for 100 Niagara network connections. Includes standard drivers. Requires ITS-100-SM0.	2CQG153214S4061	ITS-100-SUP
ITS-100-UPG upgrade to 100 connections INTEGRA-Supervisor upgrade to ITS-100-SUP from ITS-000-SUP to ITS-010-SUP. Will maintain any ITS-001-ADD that were added to original core (ITS-XXX-N4).	2CQG153215S4061	ITS-100-UPG
INTEGRA-Supervisor device INTEGRAtion pack license Adds support for 200 non-Niagara devices or 10,000 points to INTEGRA-Supervisor core software (ITS-XXX-SUP). Standard drivers included. Requires ITS-XXX-SUP.	2CQG153216S4061	ITS-200-DIP
INTEGRA-Supervisor device INTEGRAtion pack license Adds support for 500 non-Niagara devices or 25,000 points to INTEGRA-Supervisor core software (ITS-XXX-SUP). Standard drivers included. Requires ITS-XXX-SUP.	2CQG153217S4061	ITS-500-DIP

INTEGRA™ enterprise software

Description	Order details	
	Catalog no.	Alternate catalog no.
ITS-ALM-CNSL alarm console client INTEGRA-Supervisor alarm console client. Support for Niagara alarm monitoring.	2CQG153218S4061	ITS-ALM-CNSL
Provides FIPS 140-2 Level 1 conformance using the integrated FIPS certified BouncyCastle module for N4 Supervisor. Requires ITS-XXX-SUP version 4.6 and later.	2CQG153219S4061	ITS-FIPS
ITS-UNL-SUP core unlimited connections INTEGRA-Supervisor software core with support for unlimited Niagara network connections. Includes standard drivers. Requires ITS-UNL-SM0.	2CQG153221S4061	ITS-UNL-SUP
ITS-UNL-UPG upgrade 100 to unlimited INTEGRA-Supervisor upgrade from ITS-100-SUP to ITS-UNL-SUP.	2CQG153222S4061	ITS-UNL-UPG

INTEGRA™ IT-8000 software maintenance agreements

Description	Order details	
	Catalog no.	Alternate catalog no.
IT8-005-SM0 18-month maintenance IT-8000 software maintenance agreement. 18-month software maintenance agreement. Must be purchased in conjunction with initial core software IT8-005-COR. Optional 3- or 5-year maintenance may be substituted.	2CQG153601S4061	IT8-005-SM0
IT8-005-SM1 1-year maintenance IT-8000 software maintenance agreement. 1-year software maintenance agreement for core software IT8-005-COR.	2CQG153602S4061	IT8-005-SM1
IT8-005-SM3 3-year maintenance IT-8000 software maintenance agreement. 3-year software maintenance agreement for core software IT8-005-COR.	2CQG153603S4061	IT8-005-SM3
IT8-005-SM5 5-year maintenance IT-8000 software maintenance agreement. 5-year software maintenance agreement for core software IT8-005-COR.	2CQG153604S4061	IT8-005-SM5
IT8-010-SM0 18-month maintenance IT-8000 software maintenance agreement. 18-month software maintenance agreement. Must be purchased in conjunction with initial core software IT8-010-COR. Optional 3- or 5-year maintenance may be substituted.	2CQG153605S4061	IT8-010-SM0
IT8-010-SM1 1-year maintenance IT-8000 software maintenance agreement. 1-year software maintenance agreement for core software IT8-010-COR.	2CQG153606S4061	IT8-010-SM1
IT8-010-SM3 3-year maintenance IT-8000 software maintenance agreement. 3-year software maintenance agreement for core software IT8-010-COR.	2CQG153607S4061	IT8-010-SM3

INTEGRA™ IT-8000 software maintenance agreements

Description	Order details	
	Catalog no.	Alternate catalog no.
IT8-010-SM5 5-year maintenance IT-8000 software maintenance agreement. 5-year software maintenance agreement for core software IT8-010-COR.	2CQG153608S4061	IT8-010-SM5
IT8-025-SM0 18-month maintenance IT-8000 software maintenance agreement. 18-month software maintenance agreement. Must be purchased in conjunction with initial core software IT8-025-COR. Optional 3- or 5-year maintenance may be substituted.	2CQG153609S4061	IT8-025-SM0
IT8-025-SM1 1-year maintenance IT-8000 software maintenance agreement. 1-year software maintenance agreement for core software IT8-025-COR.	2CQG153610S4061	IT8-025-SM1
IT8-025-SM3 3-year maintenance IT-8000 software maintenance agreement. 3-year software maintenance agreement for core software IT8-025-COR.	2CQG153611S4061	IT8-025-SM3
IT8-025-SM5 5-year maintenance IT-8000 software maintenance agreement. 5-year software maintenance agreement for core software IT8-025-COR.	2CQG153612S4061	IT8-025-SM5
IT8-100-SM0 18-month maintenance IT-8000 software maintenance agreement. 18-month software maintenance agreement. Must be purchased in conjunction with initial core software IT8-100-COR. Optional 3- or 5-year maintenance may be substituted.	2CQG153613S4061	IT8-100-SM0

INTEGRA™ IT-8000 software maintenance agreements

Description	Order details	
	Catalog no.	Alternate catalog no.
IT8-100-SM1 1-year maintenance IT-8000 software maintenance agreement. 1-year software maintenance agreement for core software IT8-100-COR.	2CQG153614S4061	IT8-100-SM1
IT8-100-SM3 3-year maintenance IT-8000 software maintenance agreement. 3-year software maintenance agreement for core software IT8-100-COR.	2CQG153615S4061	IT8-100-SM3
IT8-100-SM5 5-year maintenance IT-8000 software maintenance agreement. 5-year software maintenance agreement for core software IT8-100-COR.	2CQG153616S4061	IT8-100-SM5
IT8-200-SM0 18-month maintenance IT-8000 software maintenance agreement. 18-month software maintenance agreement. Must be purchased in conjunction with initial core software IT8-200-COR. Optional 3- or 5-year maintenance may be substituted.	2CQG153617S4061	IT8-200-SM0
IT8-200-SM1 1-year maintenance IT-8000 software maintenance agreement. 1-year software maintenance agreement for core software IT8-200-COR.	2CQG153618S4061	IT8-200-SM1
IT8-200-SM3 3-year maintenance IT-8000 software maintenance agreement. 3-year software maintenance agreement for core software IT8-200-COR.	2CQG153619S4061	IT8-200-SM3
IT8-200-SM5 5-year maintenance IT-8000 software maintenance agreement. 5-year software maintenance agreement for core software IT8-200-COR.	2CQG153620S4061	IT8-200-SM5

INTEGRA™ enterprise software maintenance agreements

Description	Order details	
	Catalog no.	Alternate catalog no.
ITS-000-SM0 18-month maintenance INTEGRA-Supervisor software maintenance agreement. 18-month software maintenance agreement. Must be purchased in conjunction with initial core software ITS-000-SUP. Optional 3- or 5-year maintenance may be substituted.	2CQG153621S4061	ITS-000-SM0
ITS-000-SM1 1-year maintenance INTEGRA-Supervisor software maintenance agreement. 1-year software maintenance agreement for core software ITS-000-SUP.	2CQG153622S4061	ITS-000-SM1
ITS-000-SM3 3-year maintenance INTEGRA-Supervisor software maintenance agreement. 3-year software maintenance agreement for core software ITS-000-SUP.	2CQG153623S4061	ITS-000-SM3
ITS-000-SM5 5-year maintenance INTEGRA-Supervisor software maintenance agreement. 5-year software maintenance agreement for core software ITS-000-SUP.	2CQG153624S4061	ITS-000-SM5
ITS-001-SM0 18-month maintenance INTEGRA-Supervisor software maintenance agreement. 18-month software maintenance agreement. Must be purchased in conjunction with initial core software ITS-001-SUP. Optional 3- or 5-year maintenance may be substituted.	2CQG153625S4061	ITS-001-SM0
ITS-001-SM1 1-year maintenance INTEGRA-Supervisor software maintenance agreement. 1-year software maintenance agreement for core software ITS-001-SUP.	2CQG153626S4061	ITS-001-SM1
ITS-001-SM3 3 year maintenance INTEGRA-Supervisor software maintenance agreement. 3-year software maintenance agreement for core software ITS-001-SUP.	2CQG153627S4061	ITS-001-SM3

INTEGRA™ enterprise software maintenance agreements

Description	Order details	
	Catalog no.	Alternate catalog no.
ITS-001-SM5 5-year maintenance INTEGRA-Supervisor software maintenance agreement. 5-year software maintenance agreement for core software ITS-001-SUP.	2CQG153628S4061	ITS-001-SM5
INTEGRA-Supervisor software maintenance agreement 18-month software maintenance agreement. Must be purchased in conjunction with initial core software ITS-002-SUP. Optional 3- or 5-year maintenance may be substituted.	2CQG153629S4061	ITS-002-SM0
INTEGRA-Supervisor software maintenance agreement 1-year software maintenance agreement for core software ITS-002-SUP.	2CQG153630S4061	ITS-002-SM1
INTEGRA-Supervisor software maintenance agreement 3-year software maintenance agreement for core software ITS-002-SUP.	2CQG153631S4061	ITS-002-SM3
INTEGRA-Supervisor software maintenance agreement 5-year software maintenance agreement for core software ITS-002-SUP.	2CQG153632S4061	ITS-002-SM5
INTEGRA-Supervisor software maintenance agreement 18-month software maintenance agreement. Must be purchased in conjunction with initial core software ITS-003-SUP. Optional 3- or 5-year maintenance may be substituted.	2CQG153633S4061	ITS-003-SM0
INTEGRA-Supervisor software maintenance agreement 1-year software maintenance agreement for core software ITS-003-SUP.	2CQG153634S4061	ITS-003-SM1

INTEGRA™ enterprise software maintenance agreements

Description	Order details	
	Catalog no.	Alternate catalog no.
INTEGRA-Supervisor software maintenance agreement 3-year software maintenance agreement for core software ITS-003-SUP.	2CQG153635S4061	ITS-003-SM3
INTEGRA-Supervisor software maintenance agreement 5-year software maintenance agreement for core software ITS-003-SUP.	2CQG153636S4061	ITS-003-SM5
ITS-010-SM0 18-month maintenance INTEGRA-Supervisor software maintenance agreement. 18-month software maintenance agreement. Must be purchased in conjunction with initial core software ITS-010-SUP. Optional 3- or 5-year maintenance may be substituted.	2CQG153637S4061	ITS-010-SM0
ITS-010-SM1 1-year maintenance INTEGRA-Supervisor software maintenance agreement. 1-year software maintenance agreement for core software ITS-010-SUP.	2CQG153638S4061	ITS-010-SM1
ITS-010-SM3 3-year maintenance INTEGRA-Supervisor software maintenance agreement. 3-year software maintenance agreement for core software ITS-010-SUP.	2CQG153639S4061	ITS-010-SM3
ITS-010-SM5 5-year maintenance INTEGRA-Supervisor software maintenance agreement. 5-year software maintenance agreement for core software ITS-010-SUP.	2CQG153640S4061	ITS-010-SM5
ITS-100-SM0 18-month maintenance INTEGRA-Supervisor software maintenance agreement. 18-month software maintenance agreement. Must be purchased in conjunction with initial core software ITS-100-SUP. Optional 3- or 5-year maintenance may be substituted.	2CQG153641S4061	ITS-100-SM0

INTEGRA™ enterprise software maintenance agreements

Description	Order details	
	Catalog no.	Alternate catalog no.
ITS-100-SM1 1-year maintenance INTEGRA-Supervisor software maintenance agreement. 1-year software maintenance agreement for core software ITS-100-SUP.	2CQG153642S4061	ITS-100-SM1
ITS-100-SM3 3-year maintenance INTEGRA-Supervisor software maintenance agreement. 3-year software maintenance agreement for core software ITS-100-SUP.	2CQG153643S4061	ITS-100-SM3
ITS-100-SM5 5-year maintenance INTEGRA-Supervisor software maintenance agreement. 5-year software maintenance agreement for core software ITS-100-SUP.	2CQG153644S4061	ITS-100-SM5
ITS-UNL-SM0 18-month maintenance INTEGRA-Supervisor software maintenance agreement. 18-month software maintenance agreement. Must be purchased in conjunction with initial core software ITS-UNL-SUP. Optional 3- or 5-year maintenance may be substituted.	2CQG153645S4061	ITS-UNL-SM0
ITS-UNL-SM1 1 year maintenance INTEGRA-Supervisor software maintenance agreement. 1-year software maintenance agreement for core software ITS-UNL-SUP.	2CQG153646S4061	ITS-UNL-SM1
ITS-UNL-SM3 3-year maintenance INTEGRA-Supervisor software maintenance agreement. 3-year software maintenance agreement for core software ITS-UNL-SUP.	2CQG153647S4061	ITS-UNL-SM3
ITS-UNL-SM5 5-year maintenance INTEGRA-Supervisor software maintenance agreement. 5-year software maintenance agreement for core software ITS-UNL-SUP.	2CQG153648S4061	ITS-UNL-SM5

INTEGRA™ renewal fees

Description	Order details	
	Catalog no.	Alternate catalog no.
IT-LIC-CHG license change fee License change fee to change an existing license at the request of the customer. Applies to all license changes for either IT-8000 or INTEGRA-Supervisor software, except when a driver, upgrade or other software is purchased.	2CQG153701S4061	IT-LIC-CHG
Annual renewal fee	2CQG153901S4061	INTEGRA-RENEW-1
Software support agreement	2CQG153903S4061	SUPPORT-MONTH
Software support agreement	2CQG153904S4061	SIGN-UP-FEE

INTEGRA™ integration tools

Description	Order details	
	Catalog no.	Alternate catalog no.
INTEGRA-PROPACK-5 ProPack 5 device INTEGRA-ProPack license file. Supports up to 5 devices on non-Cylon® IT-8000 or INTEGRA-Supervisor software. INTEGRA-ProPack is included at no cost on IT-8000 or INTEGRA-Supervisor software.	2CQG153401S4061	INT-PPACK-5
INTEGRA-PROPACK-10 ProPack 10 device INTEGRA-ProPack license file. Supports up to 10 devices on non-Cylon® IT-8000 or INTEGRA-Supervisor software. INTEGRA-ProPack is included at no cost on IT-8000 or INTEGRA-Supervisor software.	2CQG153402S4061	INT-PPACK-10
INTEGRA-PROPACK-25 ProPack 25 device INTEGRA-ProPack license file. Supports up to 25 devices on non-Cylon® IT-8000 or INTEGRA-Supervisor software. INTEGRA-ProPack is included at no cost on IT-8000 or INTEGRA-Supervisor software.	2CQG153403S4061	INT-PPACK-25
INTEGRA-PROPACK-50 ProPack 50 device INTEGRA-ProPack license file. Supports up to 50 devices on non-Cylon® IT-8000 or INTEGRA-Supervisor software. INTEGRA-ProPack is included at no cost on IT-8000 or INTEGRA-Supervisor software.	2CQG153404S4061	INT-PPACK-50
INTEGRA-PROPACK-100 ProPack 100 device INTEGRA-ProPack license file. Supports up to 100 devices on non-Cylon® IT-8000 or INTEGRA-Supervisor software. INTEGRA-ProPack is included at no cost on IT-8000 or INTEGRA-Supervisor software.	2CQG153405S4061	INT-PPACK-100
INTEGRA-PROPACK-200 ProPack 200 device INTEGRA-ProPack license file. Supports up to 200 devices on non-Cylon® IT-8000 or INTEGRA-Supervisor software. INTEGRA-ProPack is included at no cost on IT-8000 or INTEGRA-Supervisor software.	2CQG153406S4061	INT-PPACK-200

BACnet main plant controllers

FBXi-X256

FBXi-X48

FBXI-8R8-X96

FBXI-8R8-H-X96

CBXi-8R8

Description	Order details	
	Catalog no.	Alternate catalog no.
FBXi-X256 BACnet/IP B-BC programmable controller for control and monitoring of small plant or HVAC equipment. Includes support for 32 Modbus (TCP or RTU) devices or 320 Modbus points.	2CQG201014R1021	FBXi-X256
FBXi-X48 BACnet/IP B-BC programmable controller for control and monitoring of small plant or HVAC equipment. Support for up to 3 FLX series extension modules, providing up to 48 points of control, and a dedicated input for Cylon® room sensors. Includes support for 32 Modbus (TCP or RTU) devices or 320 Modbus points.	2CQG201018R1021	FBXi-X48
FBXI-8R8-X96 16-point BACnet IP programmable controller for control and monitoring of HVAC equipment and plants. Controller features 8 UniPuts™ with relay outputs (software configurable for AI, AO, DI or DO-R (relay)) and 8 UI. Includes support for 12 Modbus (TCP or RTU) devices or 120 Modbus points.	2CQG201028R1011	FBXI-8R8-X96
FBXI-8R8-H-X96 16-point BACnet IP programmable controller with HOA switches and potentiometers for control and monitoring of HVAC equipment and plants. Controller features 8 UniPuts™ with relay outputs (software configurable for AI, AO, DI or DO-R (relay)) and 8 UI. Includes support for 12 Modbus (TCP or RTU) devices or 120 Modbus points.	2CQG201029R1011	FBXI-8R8-H-X96
CBXi-8R8 16-point to 64-point (using FLX modules) fully programmable IP-based BTL-listed (pending) BACnet® building controller (B-BC). For control and monitoring of HVAC equipment. Supports simultaneous multi-protocol communications including BACnet® IP, BACnet® MS/TP, Modbus® TCP and Modbus® RTU. Controller features 8 UniPuts™ with relay outputs (software configurable for AI, AO, DI or DO-R (relay)) and 8 UI. Includes support for a maximum of 120 points across a maximum of 12 devices that can be a combination of Modbus® RTU or TCP.	2CQG201001R1021	CBXI-8R8

BACnet main plant controllers

CBXi-8R8-H

CBX-8R8

CBX-8R8-H

Description	Order details	
	Catalog no.	Alternate catalog no.
CBXi-8R8-H 16-point to 64-point (using FLX modules) fully programmable IP-based BTL-listed (pending) BACnet® building controller (B-BC) with HOA override switches and potentiometers for UniPuts™. For control and monitoring of HVAC equipment. Supports simultaneous multi-protocol communications including BACnet® IP, BACnet® MS/TP, Modbus® TCP and Modbus® RTU. Controller features 8 UniPuts™ with relay outputs (software configurable for AI, AO, DI or DO-R (relay)) and 8 UI. Includes support for a maximum of 120 points across a maximum of 12 devices that can be a combination of Modbus® RTU or TCP.	2CQG201002R1021	CBXI-8R8-H
CBX-8R8 16-point BACnet® B-AAC programmable controller, for control and monitoring of HVAC equipment. Controller features 8 UniPuts™ with relay outputs (software configurable for AI, AO, DI or DO-R (relay)) and 8 UI. Includes support for 4 Modbus® RTU devices or 40 points.	2CQG201003R1021	CBX-8R8
CBX-8R8-H 16-point BACnet® B-AAC programmable controller with HOA override switches and potentiometers for UniPuts™. For control and monitoring of HVAC equipment. Controller features 8 UniPuts™ with relay outputs (software configurable for AI, AO, DI or DO-R (relay)) and 8 UI. Includes support for 4 Modbus® RTU devices or 40 points.	2CQG201004R1021	CBX-8R8-H

BACnet unitary controllers

FBTI-7T7-1U1R

FBTI-6T1-1U1R

FBVI-2U4-4T-IMP

FBVI-2U4-4T-SI

Description	Order details	
	Catalog no.	Alternate catalog no.
FBTI-7T7-1U1R FBTI-7T7-1U1R IP B_BC:16 I/O UNITARY	2CQG201022R1011	FBTI-7T7-1U1R
FBTI-6T1-1U1R FBTI-6T1-1U1R IP B_BC:9 I/O UNITARY	2CQG201023R1011	FBTI-6T1-1U1R
FBVI-2U4-4T-IMP 10-point BACnet/IP B-BC programmable controller for control and monitoring of small plant or HVAC equipment. Controller features 2 UniPuts™ (software configurable for AI, AO, DI or DO-R (relay)), 4 DO and 4 UI. Fahrenheit version.	2CQG201015R1021	FBVI-2U4-4T-IMP
FBVI-2U4-4T-SI 10-point BACnet/IP B-BC programmable controller for control and monitoring of small plant or HVAC equipment. Controller features 2 UniPuts™ (software configurable for AI, AO, DI or DO-R (relay)), 4 DO and 4 UI. Celsius version.	2CQG201016R1021	FBVI-2U4-4T-SI

BACnet unitary controllers

FBVI-2U4-4T-FA-IMP

FBVI-2U4-4T-FA-SI

CBT-3T6-5R

CBT-4T4-2U1R

Description	Order details	
	Catalog no.	Alternate catalog no.
FBVI-2U4-4T-FA-IMP 10-point BACnet/IP B-BC programmable controller for control and monitoring of small plant or HVAC equipment. Controller features 2 UniPuts™ (software configurable for AI, AO, DI or DO-R (relay)), 4 DO and 4 UI. With FusionAir support. Fahrenheit version.	2CQG201020R1011	FBVI-2U4-4T-FA-IMP
FBVI-2U4-4T-FA-SI 10-point BACnet/IP B-BC programmable controller for control and monitoring of small plant or HVAC equipment. Controller features 2 UniPuts™ (software configurable for AI, AO, DI or DO-R (relay)), 4 DO and 4 UI. With FusionAir support. Celsius version.	2CQG201021R1011	FBVI-2U4-4T-FA-SI
CBT-4T4-2U1R 11-point BACnet B-AAC programmable controller for terminal applications such as fan coil units with EC motors, heat pumps, unit ventilators and chilled ceilings. Controller features 4 UniPuts™ with Triac outputs (software configured for AI, AO, DI or DO-T (Triac), 4 UI, 2 Uniputs and 1 x 8 A mains rated digital (high in-rush current relay) output. Freely programmable, no pre-loaded strategy.	2CQG201308R1021	CBT-4T4-2U1R
CBT-3T6-5R 14-point BACnet B-AAC programmable controller for terminal applications such as heat pump, rooftop unit, fan coil, chilled ceiling and small air-handling units. Controller features 3 UniPuts™ with Triac outputs (software configured for AI, AO, DI or DO-T (Triac), 6 UI and 5 digital (relay) outputs. Freely programmable, no pre-loaded strategy.	2CQG201309R1021	CBT-3T6-5R

BACnet unitary controllers

CBT-3T6-5R-HP-IMP

CBT-3T6-5R-HP-SI

CBT-3T6-5R-RTU-IMP

CBT-3T6-5R-RTU-SI

Description	Order details	
	Catalog no.	Alternate catalog no.
CBT-3T6-5R-HP-IMP 14-point BACnet B-AAC programmable controller for terminal applications such as heat pump, rooftop unit, fan coil, chilled ceiling and small air-handling units. Controller features 3 UniPuts™ with Triac outputs (software configured for AI, AO, DI or DO-T (Triac), 6 UI and 5 digital (relay) outputs. Freely programmable, comes pre-loaded with factory configuration strategy for heat pump with imperial units (Fahrenheit).	2CQG201302R1021	CBT-3T6-5R-HP-IMP
CBT-3T6-5R-HP-SI 14-point BACnet B-AAC programmable controller for terminal applications such as heat pump, rooftop unit, fan coil, chilled ceiling and small air-handling units. Controller features 3 UniPuts™ with Triac outputs (software configured for AI, AO, DI or DO-T (Triac), 6 UI and 5 digital (relay) outputs. Freely programmable, comes pre-loaded with factory configuration strategy for heat pump with metric units (Celsius).	2CQG201303R1021	CBT-3T6-5R-HP-SI
CBT-3T6-5R-RTU-IMP 14-point BACnet B-AAC programmable controller for terminal applications such as heat pump, rooftop unit, fan coil, chilled ceiling and small air-handling units. Controller features 3 UniPuts™ with Triac outputs (software configured for AI, AO, DI or DO-T (Triac), 6 UI and 5 digital (relay) outputs. Freely programmable, comes pre-loaded with factory configuration strategy for rooftop unit with imperial units (Fahrenheit).	2CQG201304R1021	CBT-3T6-5R-RTU-IMP
CBT-3T6-5R-RTU-SI 14-point BACnet B-AAC programmable controller for terminal applications such as heat pump, rooftop unit, fan coil, chilled ceiling and small air-handling units. Controller features 3 UniPuts™ with Triac outputs (software configured for AI, AO, DI or DO-T (Triac), 6 UI and 5 digital (relay) outputs. Freely programmable, comes pre-loaded with factory configuration strategy for rooftop unit with metric units (Celsius).	2CQG201305R1021	CBT-3T6-5R-RTU-SI

BACnet unitary controllers

CBT-3T6-5R-FA-HP-IMP

CBT-3T6-5R-FA-HP-SI

CBT-3T6-5R-FA-RTU-IMP

CBT-3T6-5R-FA-RTU-SI

Description	Order details	
	Catalog no.	Alternate catalog no.
CBT-3T6-5R-FA-HP-IMP 14-point BACnet B-AAC programmable controller for terminal applications such as heat pump, rooftop unit, fan coil, chilled ceiling and small air-handling units. Controller features 3 UniPuts™ with Triac outputs (software configured for AI, AO, DI or DO-T (Triac), 6 UI and 5 digital (relay) outputs. Freely programmable, comes pre-loaded with factory configuration strategy for heat pump with imperial units (Fahrenheit). With FusionAir support (Fahrenheit version).	2CQG201312R1011	CBT-3T6-5R-FA-HP-IMP
CBT-3T6-5R-FA-HP-SI 14-point BACnet B-AAC programmable controller for terminal applications such as heat pump, rooftop unit, fan coil, chilled ceiling and small air-handling units. Controller features 3 UniPuts™ with Triac outputs (software configured for AI, AO, DI or DO-T (Triac), 6 UI and 5 digital (relay) outputs. Freely programmable, comes pre-loaded with factory configuration strategy for heat pump with metric units (Celsius). With FusionAir support (Celsius version).	2CQG201313R1011	CBT-3T6-5R-FA-HP-SI
CBT-3T6-5R-FA-RTU-IMP 14-point BACnet B-AAC programmable controller for terminal applications such as heat pump, rooftop unit, fan coil, chilled ceiling and small air-handling units. Controller features 3 UniPuts™ with Triac outputs (software configured for AI, AO, DI or DO-T (Triac), 6 UI and 5 digital (relay) outputs. Freely programmable, comes pre-loaded with factory configuration strategy for rooftop unit with imperial units (Fahrenheit). With FusionAir support (Fahrenheit version).	2CQG201314R1011	CBT-3T6-5R-FA-RTU-IMP
CBT-3T6-5R-FA-RTU-SI 14-point BACnet B-AAC programmable controller for terminal applications such as heat pump, rooftop unit, fan coil, chilled ceiling and small air-handling units. Controller features 3 UniPuts™ with Triac outputs (software configured for AI, AO, DI or DO-T (Triac), 6 UI and 5 digital (relay) outputs. Freely programmable, comes pre-loaded with factory configuration strategy for rooftop unit with metric units (Celsius). With FusionAir support (Celsius version).	2CQG201315R1011	CBT-3T6-5R-FA-RTU-SI

BACnet unitary controllers

CBV-2U4-3T-IMP

CBV-2U4-3T-N-IMP

CBV-2U4-3T-SI

CBV-2U4-3T-N-SI

Description	Order details	
	Catalog no.	Alternate catalog no.
CBV-2U4-3T-IMP BACnet B-AAC single-duct VAV terminal unit controller with integrated actuator. Controller features 2 UniPuts™ (software configured for AI, AO, DI or DO), 4 UI and 3 DO (Triac). Built-in differential pressure transducer (0–1.3" w.c., 0–320 Pa) and actuator (45 in-lb, 5 Nm). Freely programmable, comes pre-loaded with factory configuration strategy with imperial units (Fahrenheit).	2CQG201510R0021	CBV-2U4-3T-IMP
CBV-2U4-3T-N-IMP BACnet B-AAC single-duct VAV terminal unit controller without actuator. Controller features 2 UniPuts™ (software configured for AI, AO, DI or DO), 4 UI and 3 DO (Triac). Built-in differential pressure transducer (0–1.3" w.c., 0–320 Pa). Freely programmable, comes pre-loaded with factory configuration strategy with imperial units (Fahrenheit).	2CQG201511R0021	CBV-2U4-3T-N-IMP
CBV-2U4-3T-SI BACnet B-AAC single-duct VAV terminal unit controller with integrated actuator. Controller features 2 UniPuts™ (software configured for AI, AO, DI or DO), 4 UI and 3 DO (Triac). Built-in differential pressure transducer (0–320 Pa) and actuator (5 Nm). Freely programmable, comes pre-loaded with factory configuration strategy with SI units (Celsius).	2CQG201513R0021	CBV-2U4-3T-SI
CBV-2U4-3T-N-SI BACnet B-AAC single-duct VAV terminal unit controller without actuator. Controller features 2 UniPuts™ (software configured for AI, AO, DI or DO), 4 UI and 3 DO (Triac). Built-in differential pressure transducer (0–320 Pa). Freely programmable, comes pre-loaded with factory configuration strategy with SI units (Celsius).	2CQG201512R0021	CBV-2U4-3T-N-SI

BACnet unitary controllers

CBV-2U4-3T-FA-IMP

CBV-2U4-3T-N-FA-IMP

CBV-2U4-3T-FA-SI

CBV-2U4-3T-N-FA-SI

Description	Order details	
	Catalog no.	Alternate catalog no.
CBV-2U4-3T-FA-IMP BACnet B-AAC single-duct VAV terminal unit controller with integrated actuator. Controller features 2 UniPuts™ (software configured for AI, AO, DI or DO), 4 UI and 3 DO (Triac). Built-in differential pressure transducer (0–1.3" w.c., 0–320 Pa) and actuator (45 in-lb, 5Nm). Freely programmable, comes pre-loaded with factory configuration strategy with imperial units (Farenheit). With FusionAir support (Fahrenheit version).	2CQG201515R1011	CBV-2U4-3T-FA-IMP
CBV-2U4-3T-N-FA-IMP BACnet B-AAC single-duct VAV terminal unit controller without actuator. Controller features 2 UniPuts™ (software configured for AI, AO, DI or DO), 4 UI and 3 DO (Triac). Built-in differential pressure transducer (0–1.3" w.c., 0–320 Pa). Freely programmable, comes pre-loaded with factory configuration strategy with imperial units (Fahrenheit). With FusionAir support (Fahrenheit version).	2CQG201516R1011	CBV-2U4-3T-N-FA-IMP
CBV-2U4-3T-FA-SI BACnet B-AAC single-duct VAV terminal unit controller with integrated actuator. Controller features 2 UniPuts™ (software configured for AI, AO, DI or DO), 4 UI and 3 DO (Triac). Built-in differential pressure transducer (0–1.3" w.c., 0–320 Pa) and actuator (45 in-lb, 5Nm). Freely programmable, comes pre-loaded with factory configuration strategy with SI units (Celsius). With FusionAir support (Celsius version).	2CQG201518R1011	CBV-2U4-3T-FA-SI
CBV-2U4-3T-N-FA-SI BACnet B-AAC single-duct VAV terminal unit controller without actuator. Controller features 2 UniPuts™ (software configured for AI, AO, DI or DO), 4 UI and 3 DO (Triac). Built-in differential pressure transducer (0–1.3" w.c., 0–320 Pa). Freely programmable, comes pre-loaded with factory configuration strategy with SI units (Celsius). With FusionAir support (Celsius version).	2CQG201517R1011	CBV-2U4-3T-N-FA-SI

Controller expansion modules

FLX-16DI

FLX-4R4

FLX-4R4-H

FLX-8R8

FLX-8R8-H

Description	Order details	
	Catalog no.	Alternate catalog no.
FLX-16DI 16-point field level eXpansion (FLX) I/O module for CBX. Module features 16 digital inputs. A maximum of three FLX modules may be added to a single CBX.	2CQG200703R1021	FLX-16DI
FLX-4R4 8-point field level eXpansion (FLX) I/O module for CBX. Module features 4 UniPuts™ with relay outputs and 4 UI. A maximum ofthree FLX modules may be added to a single CBX.	2CQG200704R1021	FLX-4R4
FLX-4R4-H 8-point field level eXpansion (FLX) I/O module for CBX with HOA override switches and potentiometers on UniPuts™. Module features 4 UniPuts™ with relay outputs and 4 UI. A maximum of three FLX modules may be added to a single CBX.	2CQG200705R1021	FLX-4R4-H
FLX-8R8 Field level eXpansion series extension module providing 16 points of control — 8 universal inputs and 8 UniPuts™ with relay.	2CQG200706R1021	FLX-8R8
FLX-8R8-H Field level eXpansion series extension module providing 16 points of control – 8 universal inputs and 8 UniPuts™ with relay. Includes local override (HOA) on 8 UniPut with relay terminals.	2CQG200707R1021	FLX-8R8-H

Controller expansion modules

FLX-PS24

Description	Order details	
	Catalog no.	Alternate catalog no.
FLX-PS24 20 V DC power supply module for FLX field level eXpansion IO modules and external field devices (using the FLX-RMC).	2CQG205601R1021	FLX-PS24
FLX-RMC Remote module connectors are used to extend the FLX bus a total maximum of 100 ft. (30 m) from the main controller (CBX-8R8) to facilitate remote mounting of FLX I/O modules. 2 x FLX-bus screw-terminal units and 1 x FLX-bus standard connector are included.	2CQG205801R1021	FLX-RMC

Smart sensors and displays

FA-T

FA-TH

FA-THV

FA-THC

FA-TH-D

FA-THV-D

Description	Order details	
	Catalog no.	Alternate catalog no.
FA-T FusionAir smart sensor — T analog temperature	2CQG505560R1011	FA-T
FA-TH FusionAir smart sensor — T temperature + H relative humidity — no display	2CQG505561R1011	FA-TH
FA-THV FusionAir smart sensor — T temperature + H relative humidity + VOC — no display	2CQG505562R1011	FA-THV
FA-THC FusionAir smart sensor — T temperature + H relative humidity + CO2 — no display	2CQG505563R1011	FA-THC
FA-TH-D FusionAir smart sensor — T temperature + H relative humidity — with display	2CQG505564R1011	FA-TH-D
FA-THV-D FusionAir smart sensor — T temperature + H relative humidity + VOC — with display	2CQG505565R1011	FA-THV-D

Smart sensors and displays

FA-THC-D

EXP-C10

EXP-C7

CBT-STAT

CBT-STAT-H

Description	Order details	
	Catalog no.	Alternate catalog no.
FA-THC-D FusionAir smart sensor — T temperature + H relative humidity + CO2 — with display	2CQG505566R1011	FA-THC-D
EXP-C10 eXplore 10" IP-based capacitive touchscreen color display. Comes with universal power adapter and panel/enclosure mounting kit.	2CQG202002R2021	EXP-C10
EXP-C7 eXplore 7" IP-based capacitive touchscreen color display. Comes with universal power adapter and panel/enclosure mounting kit.	2CQG202003R2021	EXP-C7
CBT-STAT CBT-STAT intelligent room control display with temperature sensor (any CBT product supported): ABB-branded.	2CQG505506R2021	CBT-STAT
CBT-STAT-H CBT-STAT intelligent room control display with temperature and humidity sensor (any CBT product supported): ABB-branded.	2CQG505507R2021	CBT-STAT-H

BACnet supervisor and engineering

CXP-SI

CXP-SI-A

CXP-EU

Description	Order details	
	Catalog no.	Alternate catalog no.
CXP-SI Downloadable software (ships without CD) and license key. Software application provides all tools for integrators to quickly develop operational strategies for the Cylon® Auto-MATRIX CB Line of BACnet® controllers and allows sites to be designed, configured, tested, engineered, commissioned and maintained.	2CQG203402S3021	CXP-SI
CXP-SI-A Downloadable software and additional license key (requires CXPROHD-SI and ships without CD). Software application provides all tools for integrators to quickly develop operational strategies for the Cylon® Auto-MATRIX CB Line of BACnet® controllers and allows sites to be designed, configured, tested, engineered, commissioned and maintained.	2CQG203403S3021	CXP-SI-A
CXP-EU Downloadable software and additional license key (requires CXPROHD-SI and ships without CD). Software application provides all tools for integrators to quickly develop operational strategies for the Cylon® Auto-MATRIX CB Line of BACnet® controllers and allows sites to be designed, configured, tested, engineered, commissioned and maintained. Perpetual license.	2CQG203413S3021	CXP-EU
NB-PRO-1YR BACnet MS/TP commissioning software (including API-Pro) — 1-year license.	2CQG203411S3021	NB-PRO-1YR
NB-PRO-UNLIM BACnet MS/TP commissioning software (including API-Pro) — unlimited duration license	2CQG203412S3021	NB-PRO-UNLIM

Energy monitoring and control

	Description	Order details	
		Catalog no.	Alternate catalog no.
BE-AE-SUB-S	**BE-AE-SUB-S** Active Energy — 1-year subscription — small building.	2CQG053701S3011	BE-AE-SUB-S
BE-AE-SUB-M	**BE-AE-SUB-M** Active Energy — 1-year subscription — medium building.	2CQG053702S3011	BE-AE-SUB-M
BE-AE-SUB-L	**BE-AE-SUB-L** Active Energy — 1-year subscription — large building.	2CQG053703S3011	BE-AE-SUB-L
BE-AE-SUB-SK	**BE-AE-SUB-SK** Active Energy — sustainability kiosk — 1-year subscription.	2CQG053704S3011	BE-AE-SUB-SK
BE-AE-DCA	**BE-AE-DCA** Active Energy — data collection agent.	2CQG053705S3011	BE-AE-DCA

Energy monitoring and control

BE-AE-SI-CSK

BE-AE-SI-MCS

ABB-C2S-SAAS

ABB-DRI-SAAS

ABB-DEV-SAAS

Description	Order details	
	Catalog no.	Alternate catalog no.
BE-AE-SI-CSK Active energy — system integrator support — custom sustainability kiosk.	2CQG053706S3011	BE-AE-SI-CSK
BE-AE-SI-MCS Active energy — system integrator support — miscellaneous custom support.	2CQG053707S3011	BE-AE-SI-MCS
ABB-C2S-SAAS Efficiency AI SaaS fee Envoy	2CQG063701S4011	ABB-C2S-SAAS
ABB-DRI-SAAS Efficiency AI SaaS fee INTEGRA	2CQG063702S4011	ABB-DRI-SAAS
ABB-DEV-SAAS Efficiency AI SaaS fee BBAI gateway	2CQG063703S4011	ABB-DEV-SAAS

Energy monitoring and control

ABB-SITE-ONB

ABB-AREA-ONB

Description	Order details	
	Catalog no.	Alternate catalog no.
ABB-SITE-ONB Efficiency AI onboarding fee < 250,000 sq. ft.	2CQG064001S4011	ABB-SITE-ONB
ABB-AREA-ONB Efficiency AI onboarding fee > 250,000 sq. ft.	2CQG064002S4011	ABB-AREA-ONB

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