



Compatibility Matrix

Software | Hardware | Control Panels

Contents

Control Panels

- ChallengerPlus
- Challenger10
- ChallengerLEPlus
- Network Access Controller

Software Comparison

- CTPlus
- Titan 3.5.1
- Security Commander Lite
- Security Commander 2.3
- Forcefield 8.0.0
- TecomC4

TecomC4 Integration Matrix

- Challenger10 v Challenger V8
- Challenger10 drivers
- CCTV Matrix
- Intrusion Matrix

Hardware Comparison Matrix

- ChallengerPlus
- Challenger10
- ChallengerLEPlus
- Network Access Controller

Data Gathering Panels and Expanders

Control Panels

	ChallengerPlus TS-CHPLUS	Challenger10 TS1016	ChallengerLEPlus TS1016LEPLUS	Network Access Controller TS1066
Hills Order Part Number	S3849A	S3849A	S6361A	S7016A
Users (expanded)	2,000 (65,535)	2,000 (65,535)	100	250,000
Users with names	2,000	2,000	100	
Areas	99	99	16	
Area Groups	255	255	32	
Alarm Groups	255	255	42	
Floor Groups	128	128	16	
Door Groups	255	255	32	10,000
Zone inputs	1,008	1,008	40 physical, 8 logical	
Relays	512	512	32	
Event flags	255	255	100	
Event Log History	10,000	10,000	1,000	50,000
Time zones	46, with 8 parts	46, with 8 parts	24, with 8 parts	2000
Soft time zones	16	16	16	
Holidays	24	24	24	100
Holiday types	8	8	8	8
Alarm history events	5,000	5,000	500	
Access history events	5,000	5,000	500	10,000
Automation zones	100	100	20	
Communication Paths	10	10	10	10
RS-485 LANs	2	2	1	2
DGPs (total/intelligent)	31/24	31/24	1/0	31/0
RASs	32	32	16	31/8
Standard Doors	up to 32		8	
Readers per door	1	1	1	6
Doors via Controllers	96 (intelligent doors)	96 (intelligent doors)	Not applicable	8
- Total doors	128 (32 + 96)	128 (32 + 96)	16	8
Standard Lifts	up to 2, with 10 floors per lift		1	
Lifts via Controllers	96	96	Not applicable	
Input shunt timers	32	32	16	
RAS area-LED mapping	Any areas	Any areas	Any areas	
RAS relay assignment	Via relay number	Via relay number	Via relay number	
Macro logic programs	48	48	16	
Total disarm areas	Yes	Yes	No	Yes
Area search mode	Yes	Yes	No	
Financial options	Yes	Yes	No	
SD card backup/restore	Yes	Yes	No	
Vault programming	Yes	Yes	No	
UltraSync support	Yes		Yes	
Dialler	Yes	Yes	No	No
Ethernet	Yes	Yes	Yes	Yes
USB	Yes	Yes	Yes	Yes
OSDP Devices				32
Max card data bit length	48 bits	48 bits	48 bits	128 bits
Scheduled Actions				100

* Supported product only ** When used in IP Direct Mode. Refer Tecom Compability Matrix for full view of functionality in various modes.

Software Comparison Matrix

	CTPlus	Titan 3.5.1	Security Commander Lite	Security Commander 2.3	Forcefield 8.0.0	TecomC4
Challenger panel support						
Network Access Controller	✓				✓	✓
ChallengerPlus	✓				✓	✓
Challenger10	✓	✓	✓	✓	✓	✓
ChallengerLEPlus	✓				✓	✓
Challenger V8		✓	✓	✓	✓	✓
Panel configuration upload/download	✓	✓	✓	✓	✓	
Panel user management	✓	Full	Download	Download	Download	Download
Panel user upload	✓	✓				
UltraSync connection	✓					
UDP/IP connection	✓	✓	✓	✓	✓	✓
TCP/IP connection					✓	
Dialler connection	✓	✓	✓	✓	✓	
RS-232 serial connection	✓	✓	✓	✓	✓	
3G/4G Communication Module configuration	✓	✓	✓	✓	✓	
Communicate via 3G/4G Communication Module					✓	
C-Bus configuration	✓	✓	✓	✓	✓	
C-Bus control	✓	✓	✓	✓		
USB connection	✓	✓				
Panel time synchronisation	✓		✓	✓	✓	✓
Firmware update utility	✓	✓				
Firmware feature support (minimum)	V10-06	V10-02	V10-02	V10-02	V10-02	V10-06
Firmware feature support (maximum)	V10-07	V10-06	V10-06	V10-06	V10-07	V10-07
Titan migration	✓	n/a	Full	Full	Partial	
OS/Database support						
Windows Server 2019						✓
Windows Server 2016						✓
Windows Server 2012 (32 or 64-bit)			✓	✓		✓
Windows Server 2008 R2 (32-bit or 64-bit)			✓	✓		✓
Windows 10	✓	✓	✓	✓	Client only	✓
Windows 8 (32 or 64 bit)	✓	✓				✓
Windows 8.1 Pro or above (64-bit)	✓	✓	✓	✓	Client only	✓
Windows 7 Professional or above (64-bit)	✓	✓	✓	✓	Client only	✓
QNX4					Server only	
Database	MS SQL Local DB	Paradox	MS SQL	MS SQL	RAIMA	MS SQL
Supported in ESXi environment					✓	
System Management						
Graphic maps		✓		✓	✓	✓
Multi-client				✓	✓	✓
Multi-tenancy			✓	✓	✓	✓
Advanced operator permissions	✓		✓	✓	✓	✓
Software triggering					✓	✓
Off-site redundancy			MS SQL	MS SQL	✓	MS SQL
Automated database backup	✓	✓	✓	✓	✓	✓
Interface options						
ODBC compatible database	✓		✓	✓		✓
3rd party alarm interface					✓	✓
3rd party video support				✓	✓	✓
User Link protocol					✓	✓
Automatic user import				✓	✓	✓
Automatic user export					✓	
Manual user import by CSV			✓	✓	✓	✓

Software Comparison Matrix cont...

	CTPlus	Titan 3.5.1	Security Commander Lite	Security Commander 2.3	Forcefield 8.0.0	TecomC4
Interface options continued						
Manual user export by CSV					✓	✓
Live printer output				✓	✓	
ASCII data output (IP or serial)					✓	
Third Party Integration						
TruVision video	✓			✓	✓	✓
Genetec video				✓	✓	✓
Pacom video						✓
Dallmeier						✓
Geutebruck						✓
HIK Vision						✓
Dahua						✓
Verint Nextiva video				✓	✓	
Milestone video						✓
Avigilon video				✓	✓	✓
Commend IP intercom					✓	
Jacques 550 intercom					✓	
Teleste VMX IP video system					✓	
DVTel alarm interface					✓	
Visitor Management				✓		✓
Ascom Nira duress					✓	
KONE destination lift interface					✓	✓
Schindler destination lift interface						✓
Otis destination lift interface					✓	
Video integration (Aritech) - please refer to individual product interface datasheets for detailed functionality						
View live and recorded footage	✓			✓	✓	✓
Access and alarm event tagging				✓	✓	
PTZ control				✓	✓	✓
Megapixel IP camera support	✓			✓	✓	✓
Multiview support	✓				✓	✓
Export recorded footage				✓	✓	✓
Save snapshots of live or recorded footage				✓	✓	✓
High or low bandwidth video streams	✓			✓	✓	✓
Pop up video on event				✓	✓	✓
Export video clip from client					✓	✓
Full video device configuration					✓	
DVR time synchronisation				✓	✓	✓
Custom camera layouts				✓	✓	
Receive video system alarms				✓	✓	✓
Control playback direction and speed	✓			✓	✓	✓
Camera import function	✓			✓	✓	✓
Alarm handling						
Alarm priorities			✓	✓	✓	✓
Predefined alarm responses	✓		✓	✓	✓	
Alarm follow up	✓				✓	✓
Email notification				✓	✓	✓
Alarm override screen					✓	
Watchhouse mode					✓	
Custom audio based on priority			✓	✓		
Access control						
Swipe and show (door monitor)				✓	✓	✓
Guard tours					✓	
Door override					✓	✓

Software Comparison Matrix cont...

	CTPlus	Titan 3.5.1	Security Commander Lite	Security Commander 2.3	Forcefield 8.0.0	TecomC4
User management						
Customisable user maintenance					✓	✓
Smart card programmer integration	✓	✓	✓	✓	✓	
User profiles			As template	As template	✓	Access levels
Photo ID		✓		✓	✓	✓
Maximum users	65,535	65,535	128,000	128,000	1,000,000	Unlimited
Reporting						
Automated reports					✓	
Custom history report	✓	✓				✓
Report templates			✓	✓	some	✓
Time and attendance				✓	✓	✓
Features						
Multi-monitor support	✓		✓	✓		✓
Bulk card creation	✓	✓	✓	✓	✓	✓
Bulk card edit	✓	✓	✓	✓	✓	✓
Bulk person edit	✓	✓	✓	✓	✓	✓
Bulk device edit (inputs etc.)	✓		✓	✓		✓
Scalability						
Clients	n/a	n/a	n/a	10	200	Unlimited
Maximum devices						10,000
- Maximum panels	16 (active)	16	5	128	2,560	
- Maximum DVRs	1 (per panel)	n/a	n/a	64	999	
Events per second	n/a	1	10	10	20	20+
Maximum database size	10GB	1GB	Unlimited	Unlimited	2GB	Unlimited

TecomC4 Integration Matrix

Challenger10 - Challenger V8 comparison

	Challenger10 driver	Challenger V8 driver
Non-IUM Mode		✓
IUM mode	✓	✓
Encryption	AES256	Twofish
Automation zones	✓	
Paths	✓	
Expanders	✓	
Full device descriptions from panel	✓	
Detect network comms issues	✓	
Area Groups	✓	
Timezones segments	8	4
Max Areas	99	16
Max Inputs	1008	256

Challenger10 Drivers

Challenger10 driver	1.0.15060.40	1.0.17823.92	2.0.43579.422	2.0.46860.444	2.1.52283.103
TecomC4 2016	✓ SP7+				
TecomC4 2017	✓	✓ SP1+			
TecomC4 2018	✓	✓	✓ SP2+	✓ SP2+	✓ SP2+
TecomC4 2019	✓	✓	✓	✓	✓
TecomC4 2020	✓	✓	✓	✓	✓
Import panel name		✓	✓	✓	✓
Import device names	All devices	New devices only	New devices only	New devices only	New devices only
Advanced alarm groups	Auto or master only	Auto, custom, master	Auto, custom, master	Auto, custom, master	Auto, custom, master
Card + PIN linking	Auto	Manual	Manual	Manual	Manual
Challenger10	✓	✓	✓	✓	✓
ChallengerPlus			✓	✓	✓
ChallengerLEPlus				✓	✓

TecomC4 Integration Matrix - CCTV

Device Category	TruVision	Avigilon	Avigilon 7 WebAPI	Axis Camera Station	Dahua	Dallmeier	Digifort7	Genetec	Geutebruck	HIK Vision	IDIS	Luxriot EVO	Milestone
Supported Functionality													
Import from file													✓
Encrypted Communication	✓	✓								✓			
Device Auto Import	✓		✓			✓	✓	✓	✓	✓			✓
Time Synchronisation	✓									✓			
Time Zone Support	✓	✓				✓				✓			✓
Live Video Streaming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Recorded Video Streaming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video Records Downloading	✓				✓	✓		✓		✓			
Voice Transmitting	✓									✓			
Audio Streaming	✓					✓				✓			
PTZ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Presets	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Motion Detection	✓				✓						✓		
Live Stream Snapshot	✓		✓		✓		✓	✓	✓			✓	
Recorded Stream Snapshot	✓		✓		✓		✓	✓				✓	
Multiple Stream Types	✓		✓		✓		✓			✓	✓	✓	
Device Audit Log Retrieval	✓					✓				✓			
Remote Device Control						✓	✓						✓
Dynamic Command State	✓				✓					✓			

Device	Licensed Unit(s)	Supported TecomC4 Version	Supported 3rd Party Version	Supported SDK Version
TruVision	DVR	2016 SP7 - 2020	Supported 3rd Party Version	Supported SDK Version
Avigilon	Camera	2016 SP9 - 2020	Avigilon Control Center 5, 6, and 7	ACC SDK 5.8.0.28, 6.14.2.12
Avigilon 7 WebAPI	Camera	2018 - 2020	Avigilon Control Center 7 WebAPI only	Web Endpoint REST API
Axis Camera Station	Axis Server	2016 SP9 - 2020	Axis Camera Station	SDK 2.5
Dahua	DVR	2016 SP9 - 2020	fw 21.8.2017 3.210	-
Dallmeier	DVR	2016 SP7 - 2020	7.1.1, ActiveX 1.2.4.6	ActiveX 1.2.4.6
Digifort 7	DVR	2016 SP7 - 2020	Digifort server 7.0, 7.2	Digifort HTTP API (1.5)
Genetec	Camera	2018 - 2020	Genetec Security Center v5.5 SR5 or later	5.5 SR5 (Only)
Geutebruck	DVR	2017 - 2020	Firmware 2.2.2.165	G-Core-SDK 2.3.1.248
HIK Vision	DVR	2018 - 2020	Refer to Gamanet website for full device list	HCNet SDK 6.0.2.35
IDIS	DVR	2017 SP1 - 2020	Firmware 7.0.0, Direct IP DR-2304P	-
Luxriot EVO	Camera	2019 - 2020	HTTP API	-
Milestone	Camera	2016 SP7 - 2020	"XProtect 2014, 2016, 2017 R2 (Professional version or better required for each)"	MIP SDK 2014

TecomC4 Integration Matrix - Intrusion

Device Category	Challenger10 ChallengerPlus ChallengerLEPlus	Challenger V8 Network Access Controller	2N Intercom	Aperio	Bosch B/G Series	DSC PowerSeries Neo	Keywatcher	Kone	MODBUS	Salto	Schindler	SNMP	Suprema BioStar 2	Traka	TruPortal
Supported Functionality															
Combined Credentials		✓	✓											✓	
Lift	✓										✓				
Encrypted Communication	✓	✓	✓	✓		✓		✓						✓	✓
Device Auto Import	✓	✓	✓		✓	✓		✓		✓		✓	✓	✓	✓
Time Synchronisation	✓	✓	✓	✓	✓	✓	✓						✓		✓
Time Zone Support	✓	✓	✓		✓	✓	✓	✓		✓			✓		✓
Card Learning	✓	✓	✓	✓							✓		✓		✓
Dynamic Upload	✓	✓	✓				✓	✓		✓			✓	✓	✓
Access Time Restriction	✓	✓	✓	✓			✓			✓			✓		
Holidays Support	✓	✓	✓	✓						✓			✓		✓
Pin Management	✓	✓	✓	✓	✓	✓	✓			✓				✓	
Card Management	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓
Fingerprint Management													✓		
Reserved Memory Zones					✓	✓	✓				✓				
Antipassback Forgiveness	✓	✓	✓												
Handicapped Flag	✓	✓	✓							✓					✓
Alarm Suppression	✓	✓			✓		✓					✓			
Device Audit Log Retrieval	✓	✓	✓	✓	✓	✓	✓	✓		✓			✓	✓	✓
Remote Device Control	✓	✓	✓	✓	✓		✓			✓			✓		✓
Dynamic Command State	✓				✓	✓	✓		✓	✓			✓		✓
Supported Card Segments															
- Site / Facility Code	✓	✓	✓		✓										
- Issue Code				✓											
- Card Number	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓

Device Category	Licensed Unit(s)	TecomC4 Version	Supported 3rd Party Version
Challenger10	Panel	2016 SP7 - 2020	V10-06.12250 and newer
Challenger V8	Panel	2017 SP1 - 2020	V8-MFR.883 and newer
Network Access Controller	Panel	2018 SP2 - 2020	V10-00.34390 and newer
2N IP Intercom	Intercom	2019 - 2020	Firmware 2.27 and newer
Aperio	Hub	2018 - 2020	AH40_Aperio_IP-1.6.2437.fw
Bosch B/G Series	Panel	2018 - 2020	3.03.014, 3.06
DSC PowerSeries Neo	Panel	2016 SP7 - 2020	TL280/TL2803G v4.1, 5.0
Keywatcher Illuminated	Access Controller	2018 - 2020	Firmware 3.0, 3.3
Kone	Kone server	2017 SP1 - 2020	KONE Access Server v4.0.73.173
MODBUS	25 points	2016 SP8 - 2020	MODBUS TCP or RTU (over TCP)
Salto	Salto server	2018 SP2 - 2020	Salto SHIP 1.26c
Schindler	Bus Controller	2018 SP2 - 2020	Schindler PORT v2.1 (Build 1.3.369.1)
SNMP	SNMP Server	2017 SP1 - 2020	V1.0.47945.90 and newer, SNMPV2C traps
Suprema BioStar 2	Reader	2018 - 2020	BEW2-OAP, XP2-MDPB, 1.3.1.0, 1.2.0.0
Traka	Access Controller	2018 SP1 - 2020	Traka Touch CB FW Ver 2.6.8, DV FW Ver. 3.0.0
TruPortal	Access Controller	2018 - 2020	TruPortal 1.72.0096

	Hills order number	ChallengerPlus TS-CHPLUS	Challenger10 TS1016	ChallengerLEPlus TS1016LEPLUS	Network Access Controller TS1066
Memory Modules					
TS1084 - Memory Module expands to 65,535 users	S7013A	✓	✓	✓	
Communication Devices					
TS0098 - IP LAN Adaptor	S3216A	Requires firmware version 3893 or greater			
TS1053 - 3G Communication Module	N/A	✓	✓	✓	
TS1054 - 4G Communication Module	S6360B	✓	✓	✓	
TS0840 - 4 way relay	S5019	✓	✓	✓	✓
TS0841 - 8 way relay	S5020	✓	✓	✓	✓
TS0842 - 16 way open connector	S5021	✓	✓	✓	✓
TS0893 - LAN Isolation interface	S5163	✓	✓	✓	
TS0896 - RS485 to Fibre Interface	N/A	Requires firmware version 2050-003 or greater			
TS1091 - Enhanced Communications licence	S3998A				
Data Gathering Panels (DGPs)					
TS1020 - Challenger10 DGP	S5016A	✓	✓	✓	✓
TS0820 - Challenger V8 DGP	N/A	✓	✓	✓	✓
TS0825E - Wireless DGP	N/A	✓	✓	✓	
TS0824 - Challenger V8 DGP, DC	N/A	✓	✓	✓	
TS0827 - Challenger V8 4-input	S5119	✓	✓	✓	✓
TS1061 - Dual Wiegand Interface	S7017A	✓		✓	✓
Controllers					
TS0862 - Smart single-door controller	S5087		✓	✓	✓
TS0866 - Intelligent four-door controller	N/A	Requires firmware version R110613.801 or greater			
TS0867 - Intelligent four-door controller	S5043	Requires firmware version R110613.801 or greater			
TS0869 - Intelligent four-lift controller	S5113	Requires firmware version L110613.803 or greater			
TS1066 - Network Access Controller	S7016A	✓			

Software	Version	Latest Firmware Support				
		Challenger V8	ChallengerPlus	Challenger10	ChallengerSE	ChallengerLE Plus
Forcefield™	8.0.0	8.128 or above	V10-07	V10-06	V10-06	V10-07
Security Commander	2.3	8.128 or above	n/a	V10-06	V10-06	n/a
Titan	3.5.1	8.128 or above	n/a	V10-06	V10-06	n/a
Tecom Mobile app	1.1.68	n/a	n/a	V10-06	V10-06	n/a
TecomPlus Mobile app	2.0.4	n/a	V10-07	n/a	n/a	V10-07
IP Receiver	1.49	8.128 or above	n/a	V10-06	V10-06	n/a
TecomC4	2020	V8-MFR.883 or above	V10-07	V10-06	n/a	V10-07
CTPlus	2.5	n/a	V10-07	V10-06	n/a	V10-07

DGPs and Expanders

Data Gathering Panels and Expanders

	TS0021	TS1021
TS1020 - Analogue DGP (requires firmware version 5170 or greater)	✓	✓
TS0820 - Challenger V8 DGP	✓	
TS0866 - Intelligent four-door controller	✓	

TecomC4 Software

TecomC4 is available to trained installers and can be purchased from Hills. Visit www.hills.com.au to find your local branch. Once you have been trained and you can place your order online at www.firesecurityproducts.com.au/registerTecomC4. A link will be sent to your registered email address where you can download the latest version of TecomC4 software.



Download TecomPlus Mobile app today for your ChallengerPlus control panel

TecomPlus Mobile takes advantage of the latest technology, allowing you to connect your panel over the UltraSync network. Perform the most important keypad functions on your favourite digital device, from any location, at any time.

The simple but powerful interface allows you to open doors, arm/disarm areas, isolate inputs or control lighting. You can also view panel history and outstanding alarms on all of your popular digital devices.



Downloads and Resource Documents

The Tecom Challenger portfolio provides a number of options to ensure your security needs are met. The resource library at www.firesecurityproducts.com.au contains all the information you'll need to make sure you are getting the best from your Tecom solution.

Don't forget to visit www.firesecurityproducts.com.au/downloads to download the latest software and firmware versions.

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TecomCompatibilityMatrix-May21