Compatibility Matrix

Control Panels | Hardware | Software

Contents

Hardware Comparisons

Control Panels

	ChallengerPlus	Challenger10	ChallengerLEPlus
	TS-CHPLUS	TS1016	TS1016LEPLUS
Inputs	1,008	1,008	40 physical + 8 logical
- Onboard	16	16	8
Relays	512	512	32
- Onboard			
Areas	99	99	16
Area Groups	255	255	32
Alarm Groups	255	255	42
Door Groups	255	255	32
Floor Groups	128	128	16
Timezones	46	46	24
Soft timezones	16	16	16
Holidays	24	24	24
Holiday types	8	8	8
Users	65,535 (with TS1084)	65,535 (with TS1084)	100
- Onboard, with names	2,000	2,000	100
- Card data bit length	48 bits	48 bits	48 bits
Doors	128	128	16
- Standard Doors	32		8
- Controller Doors	96	96	
Lifts	98	96	1
- Standard Lifts	2		1
- Controller Lifts	96	96	
Readers	416	416	18
- Per Standard Door	1		1
- Per Controller Door	4	4	
- Per Standard Lift	2		2
- Per Controller Lift	4	4	
Floors	64	64	10
- Standard Lift Floors	10 (per Lift)		10 (total)
- Controller Lift Floors	64	64	
RS-485 LANs	2	2	1
DGPs	31	31	1
RASs	32	32	16
RAS area-LED mapping	✓	✓	✓
Input shunt timers	32	32	16
Macro logic programs	48	48	16
Event flags	255	255	100
Financial options	✓	✓	
Vault programming	✓	✓	
Total disarm areas	✓	✓	
Area search mode	✓	✓	
Alarm history events	5,000	5,000	500
Access history events	5,000	5,000	500
Event Log History	10,000	10,000	1,000
Automation zones	100	100	20
Communication Paths	10	10	10
UltraSync support	✓		✓
Ethernet	✓	✓	✓
USB Device	✓	✓	✓
SD card backup/restore	✓	✓	
Dialler	✓	✓	

Access Controllers

	Network Access Controller (NAC)		NAC with Wiegand	Intelligent 4 Door/Lift Controller		
	TS1066-4	TS1066	TS1067	TS0866	TS0867	TS0869
Inputs	**1,000**		**1,024**	**80**		
- Onboard	8		16	8	16	16
Relays	**512**		**512**	**64**		
- Onboard	4		5	4		
Doors / Lifts	**4**	**8**	**8**	**4**		
- Default	4	8	4	4		
Readers	**24**	**48**	**48**	**16**		
- Per Door / Lift	6		6	4		
- Onboard Wiegand	None		4	None	4	4
Floors	100		100	64		
Users	**250,000**		**250,000**	**65,535 (with TS0884)**		
- Default	250,000		2,000	2,000		
- Card data bit length	128 bits		128 bits	48 bits		
Door Groups	10,000		10,000	255		
Floor Groups	1,000		1,000	128		
Alarm Control Levels	100		100			
Timezones	2,000		2,000	46		
Holidays	100		100	24		
Holiday types	8		8	8		
RS-485 LANs	2		2	1		
DGPs	31		31	15		
RASs	32		32	16		
OSDP Devices	32		32			
Scheduled Actions	100		100			
Alarm history events	50,000		50,000	5,000		
Access history events	50,000		50,000	5,000		
Event Log History	100,000		100,000	10,000		
Communication Paths	10		10			
USB	✓		✓			
Ethernet	✓		✓			
Supported Head-ends						
- Direct to Software	✓		✓			
- ChallengerPlus	✓		✓		✓	
- Challenger10					✓	

Hardware Comparison Matrix

	ChallengerPlus	Challenger10	ChallengerLEPlus	NAC
	TS-CHPLUS	TS1016	TS1016LEPLUS	TS1066 / TS1067E
Memory Modules				
TS1084 - Memory Module expands to 65,535 users	✓	✓		
Communication Devices				
TS0098 - IP LAN Adaptor	✓[1]	✓[1]	✓[1]	✓[1]
TS1053 - 3G Communication Module	✓	✓	✓	
TS1054 - 4G Communication Module	✓	✓	✓	
TS0840 - 4 way relay	✓	✓	✓	✓
TS0841 / TS1041 - 8 way relay	✓	✓	✓	✓
TS0842 - 16 way open connector	✓	✓	✓	✓
TS0893 - LAN Isolation interface	✓	✓	✓	✓
TS0896 - RS485 to Fibre Interface	✓[2]	✓[2]	✓[2]	✓[2]
Data Gathering Panels (DGPs)				
TS1020 - Challenger10 DGP	✓	✓	✓	✓
TS0820 - Challenger V8 DGP	✓	✓	✓	✓
TS0825E - Wireless DGP	✓	✓		
TS0824 - Challenger V8 DGP, DC	✓	✓		
TS0827 - Challenger V8 4-input	✓	✓		✓
TS1061 - Dual Wiegand Interface	✓		✓	✓
Access Controllers				
TS0862 - Smart single-door controller	✓	✓	✓	✓
TS0866 - Intelligent four-door controller	✓[3]	✓[3]		
TS0867 - Intelligent four-door controller	✓[3]	✓[3]		
TS0869 - Intelligent four-lift controller	✓[3]	✓[3]		
TS1066 - Network Access Controller	✓			
TS1067E - Network Access Controller w/ onboard Wiegand	✓			

([1]) *Requires firmware version 3893 or greater*

([2]) *Requires firmware version 2050-003 or greater*

([3]) *Requires firmware version R110613.801 or greater*

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	✓	
TS1067 - Network Access Controller with Wiegand		✓

Software	Version	Latest Firmware Support		
		ChallengerPlus	Challenger10	ChallengerLEPlus
CTPlus	3.2	V10-07	V10-06	V10-07
Forcefield	8.1.0	V10-07	V10-06	V10-07
TecomC4	2023	V10-07	V10-06	V10-07
WMS Pro	2.2	V10-07		
TecomPlus Mobile app	2.0.9	V10-07		V10-07
WMS	2.5	V10-07	V10-06	V10-07

Software Comparisons

Software Comparison Matrix

	CTPlus	WMS Pro	TecomC4	Forcefield
Challenger panel support				
ChallengerPlus	✓	✓	✓	✓
Challenger10	✓		✓	✓
ChallengerLEPlus	✓		✓	✓
Network Access Controller	✓		✓	✓
Panel configuration upload/download	✓	✓		✓
Panel user management	✓	✓	Download	Download
Panel user upload	✓	✓		
UltraSync connection	✓			
UDP/IP connection	✓		✓	✓
TCP/IP connection		✓		✓
Dialler 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	✓			
Challenger firmware feature support (minimum)	V10-06	V10-07	V10-06	V10-02
Challenger firmware feature support (maximum)	V10-07	V10-07	V10-07	V10-07
Titan migration	✓			Partial
OS/Database support				
Windows Server 2022		✓	✓	
Windows Server 2019		✓	✓	
Windows Server 2016		✓	✓	
Windows 11	✓	✓	✓	Client only
Windows 10	✓	✓	✓	Client only
QNX4				Server only
Database	MS SQL Local DB	MS SQL	MS SQL	RAIMA
ODBC compatible database	✓	✓	✓	
Supported in ESXi environment				✓
System Management				
Alarm management	✓	✓	✓	✓
Graphic maps			✓	✓
Multi-client		✓	✓	✓
Multi-tenancy		✓	✓	✓
Advanced operator permissions	✓	✓	✓	✓
Software triggering			✓	✓
Off-site redundancy			MS SQL	✓
Database backup	✓	Manual	✓	✓
Alarm management				
Alarm priorities		99	4	9
Predefined alarm responses		✓		✓
Alarm follow up	✓	✓	✓	✓
Email notification			✓	✓
Alarm override screen				✓
Watchhouse mode				✓
Customisable Alarm event text		✓		✓

Software Comparison Matrix cont...

	CTPlus	WMS Pro	TecomC4	Forcefield
Interface options				
Client interface	Windows	Web	Windows	Windows
Multi-monitor support	✓	✓	✓	
Customisable UI style		✓		
Access control				
Swipe and show (door monitor)		API	✓	✓
Guard tours				✓
Door override			✓	✓
User management				
Customisable user maintenance		✓	✓	✓
Smart card programmer integration	✓	✓		✓
Multi-controller access rights		UAGs	Access levels	Profiles
Photo ID		✓	✓	✓
Maximum users	65,535	Unlimited	Unlimited	1,000,000
User import (Automatic / Manual)		API	✓	✓
User export (Automatic / Manual)		API	Manual	✓
Reporting				
Automated reports				✓
Custom history report	✓	✓	✓	
Report templates			✓	Partial
Time and attendance			✓	✓
Features				
Bulk card creation	✓	API	✓	✓
Bulk card edit	✓	API	✓	✓
Bulk person edit	✓	API	✓	✓
Bulk device edit (inputs etc.)	✓	✓	✓	
Scalability				
Clients		300	Unlimited	200
Maximum devices			10,000	
- Maximum panels	16 (active)	300		2,560
- Maximum DVRs	1 (per panel)			999
Events per second		50+	20+	20
Maximum database size	10 GB	Unlimited	Unlimited	2 GB
Third Party Integration				
3rd party person management		REST API	SDK	Protocol
3rd party status and control		REST API		
3rd party alarm interface				✓
3rd party video support			✓	✓
Event output		API		✓
ASCII data output (IP or serial)				✓
TruVision video	✓		✓	✓
Genetec video			✓	✓
Pacom video			✓	
Dallmeier			✓	
Geutebruck			✓	
HIK Vision			✓	
Dahua			✓	
Milestone video			✓	
Avigilon video			✓	✓

Software Comparison Matrix cont...

	CTPlus	WMS Pro	TecomC4	Forcefield
Third Party Integration cont.				
Commend IP intercom				✓
Jacques 550 intercom				✓
Teleste VMX IP video system				✓
DVTel alarm interface				✓
Ascom Nira duress				✓
KONE destination lift interface			✓	✓
Schindler destination lift interface			✓	
Otis destination lift interface				✓
Visitor Management		API	✓	
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	✓		✓	✓

WMS Pro API Support

	WMS Pro V1.0	WMS Pro V1.2	WMS Pro V2.0	WMS Pro V2.1	WMS Pro V2.2
CTPlus 2.8	✓				
CTPlus 2.9		✓			
CTPlus 3.0			✓	✓	✓
CTPlus 3.1			✓	✓	✓
CTPlus 3.2				✓	✓
SCPInterface v1.0.0.2	✓				
SCPInterface v1.0.0.4		✓	✓	✓	✓
Cardholders API				API v1	API v1
3rd Party API					API v2

# Tecom Software

WMS Pro Software
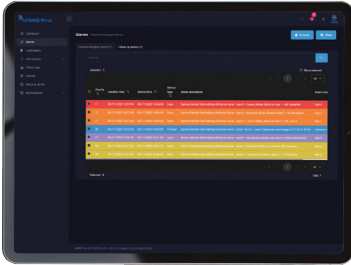
WMS Pro is available to trained installers and is available through an authorised Tecom distributor. To locate an authorised Tecom Distributor, visit our website. A copy of the software may be downloaded at any time from our online library, and includes a 60-day free trial of the Lite Edition. Installers wanting to purchase WMS Pro must complete relevant training prior to registering the product, which may be completed online.

TecomC4 Software

TecomC4 is available to trained installers and is available through an authorised Tecom distributor. To locate an authorised Tecom Distributor, visit our website. Once you have been trained, you can place your order online. 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
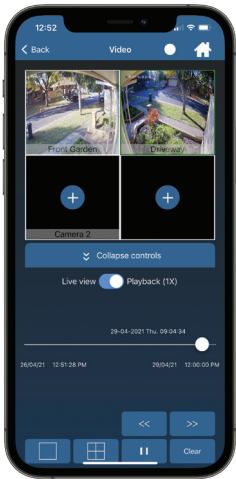
TecomPlus Mobile takes advantage of the latest technology, allowing you to connect your panel over the UltraSync network. Perform the most important keypad functions on your favourite digital device, from any location, at any time.

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 on our website contains all the information you'll need to make sure you are getting the best from your Tecom solution.

Don't forget to visit our website to download the latest software and firmware versions.

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