



Compatibility Matrix

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Overview

This document contains information specific to the software and firmware versions listed below. It may not be accurate for earlier or later versions. For the most up-to-date software and firmware, click [here](#) to visit the Aritech website.

Latest Firmware Support

Product	Version	Upgradeable
Hardware		
Discovery Control Panel (TSX10000)	TSX-1-77412	✓
ChallengerPlus (TS-CHPLUS)	V10-07.69389	✓
Challenger10 (TS1016)	V10-06.68905	✓
ChallengerLEPlus (TS1016LEPLUS)	V10-07.69389	✓
Network Access Controller (TS1066)	V10-01.77936	✓
Network Access Controller w/ onboard Wiegand (TS1067E)	V11-03.78024	✓
Dual Wiegand Interface (TS1061)	V01-02.68243	✓
Challenger10 Memory Module (TS1084)	V01-02.57932	✓
4G Communication Module (TS1054)	V01-02.81051	✓
Challenger10 DGP (TS1020)	V01-02.62508	✓
Touchscreen RAS Firmware (TS1001)	V01-00.18703	✓
Touchscreen RAS GUI (TS1001)	Carrier-180821	✓
IP LAN Adaptor (TS0098)	V1-1-3893	Limited
Intelligent 4 Door Controller (TS0866 / TS0867)	R121818	Limited
Intelligent 4 Lift Controller (TS0869)	L121818	Limited
RS485 to Fibre Interface (TS0896)	2050-003	
Software		
WMS Pro	3.1	✓
CTPlus	3.5	✓
Forcefield	8.1.0	✓
TecomC4	2023 SP1	✓
TecomPlus Mobile App (iOS)	2.0.10	✓
TecomPlus Mobile App (Android)	2.0.9	✓
WMS	2.5	Limited
IP Receiver	1.49	Limited

Control Panels

	Discovery	ChallengerPlus	Challenger10	ChallengerLEPlus
	TSX10000	TS-CHPLUS	TS1016	TS1016LEPLUS
Inputs	1,008	1,008	1,008	40 physical + 8 logical
- Onboard	16	16	16	8
Relays	512	512	512	32
- Onboard	4			
Areas	99	99	99	16
Area Groups	255	255	255	32
Alarm Groups	255	255	255	42
Door Groups	255	255	255	32
Floor Groups	128	128	128	16
Timezones	46	46	46	24
Soft timezones	16	16	16	16
Holidays	24	24	24	24
Holiday types	8	8	8	8
Users	2,000	65,535 (with TS1084)	65,535 (with TS1084)	100
- Onboard, with names	2,000	2,000	2,000	100
- Card data bit length	48 bits	48 bits	48 bits	48 bits
Doors	128	128	128	16
- Standard Doors	32	32		8
- Controller Doors	96	96	96	
Lifts	98	98	96	1
- Standard Lifts	2	2		1
- Controller Lifts	96	96	96	
Readers	416	416	416	18
- Per Standard Door	1	1		1
- Per Controller Door	4	4	4	
- Per Standard Lift	2	2		2
- Per Controller Lift	4	4	4	
Floors	64	64	64	10
- Standard Lift Floors	10 (per Lift)	10 (per Lift)		10 (total)
- Controller Lift Floors	64	64	64	
RS-485 LANs	3	2	2	1
DGPs	31	31	31	1
RASs	32	32	32	16
RAS area-LED mapping	✓	✓	✓	✓
Input shunt timers	32	32	32	16
Macro logic programs	48	48	48	16
Event flags	255	255	255	100
Financial options	✓	✓	✓	
Vault programming	✓	✓	✓	
Total disarm areas	✓	✓	✓	
Area search mode	✓	✓	✓	
Alarm history events	5,000	5,000	5,000	500
Access history events	5,000	5,000	5,000	500
Event Log History	10,000	10,000	10,000	1,000
Automation zones	100	100	100	20
Communication Paths	10	10	10	10
UltraSync support	✓	✓		✓
Ethernet	✓	✓	✓	✓
USB Device	✓	✓	✓	✓
SD card backup/restore		✓	✓	
Dialler		✓	✓	
Web-based programming	✓			

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	✓		✓			
- Discovery	✓		✓			
- ChallengerPlus	✓		✓		✓	
- Challenger10					✓	

Peripherals

	Discovery	ChallengerPlus	Challenger10	ChallengerLEPlus	NAC
	TSX10000	TS-CHPLUS	TS1016	TS1016LEPLUS	TS1066 / TS1067E
Communication Devices					
TS0098 - IP LAN Adaptor	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓
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		✓	✓		
TS0867 - Intelligent four-door controller		✓	✓		
TS0869 - Intelligent four-lift controller		✓	✓		
TS1066 - Network Access Controller	✓	✓			
TS1067E - Network Access Controller w/ onboard Wiegand	✓	✓			
Memory Modules					
TS1084 - Memory Module expands to 65,535 users		✓	✓		

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		✓

Enclosures

	TS0307	ENC-LGE	TSX-ENC-S	TSX-ENC-M	TSX-ENC-L
Enclosure Features					
Height (mm)	450	593	620	620	795
Width (mm)	345	409	370	560	560
Depth (mm)	73	120	133	133	133
Weight (kg)	12				
Secured Door / Cover	Security Screw	Dual Security Screws	Dual Key Lock	Dual Key Lock	Dual Key Lock
Smart Power Supply	No	No	Optional	Optional	Optional
DIN Rails	TSX-DINRAIL	No	2 x 14M	4 x 12M	6 x 12M
Integrated Cabling Conduit	No	No	✓	✓	✓
Product Compatibility					
Discovery Control Panel	Requires TSX-DINRAIL	No	✓	✓	✓
Discovery 4G Comms Module	Requires TSX-DINRAIL	No	✓	✓	✓
'A' Size Devices	✓	✓	Requires TSX-DINCLIP	Requires TSX-DINCLIP	Requires TSX-DINCLIP
'B' Size Devices	✓	✓	Requires TSX-DINCLIP	Requires TSX-DINCLIP	Requires TSX-DINCLIP
'BB' Size Devices	✓	✓	Requires TSX-DINCLIP	Requires TSX-DINCLIP	Requires TSX-DINCLIP
'C' Size Devices	✓	✓	No	No	No
'D' Size Devices	✓	✓	No	No	No
'E' Size Devices	Requires TS1066P	✓	No	No	No
'F' Size Devices	Requires TS1066P	✓	Requires TSX-DINCLIP	Requires TSX-DINCLIP	Requires TSX-DINCLIP

Challenger PCB Size Guide

'A' Size Devices

Challenger10 DGP	TS1020
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'B' Size Devices

4 Input DGP	TS0827
4 Relay Board	TS0840
16 Open Collector Board	TS0842
Single Door Controller	TS0862
LAN Isolation Board	TS0893
Fibre to LAN Isolation Board	TS0896
8 Input Expander	TS1021
Power Distribution Board	TS1044

'BB' Size Devices

Challenger IP LAN Adaptor	TS0098
8 Relay Board	TS1041

'C' Size Devices

Challenger10 Control Panel	TS1016
ChallengerPlus Control Panel	TS-CHPLUS

'D' Size Devices

Intelligent Four-Door Controller	TS0867
Intelligent Four-Lift Controller	TS0869
NAC with onboard Wiegand	TS1067E

'E' Size Devices

Network Access Controller	TS1066
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'F' Size Devices

Dual Wiegand Interface	TS1061
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Software



Software

	CTPlus	WMS Pro	TecomC4	Forcefield
Challenger panel support				
Discovery	✓	✓		
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	✓			✓
4G Communication Module configuration	✓			✓
Communicate via 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
OS/Database support				
Windows Server 2025		✓		
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 automations		✓	✓	✓
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 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)	600		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 cont...

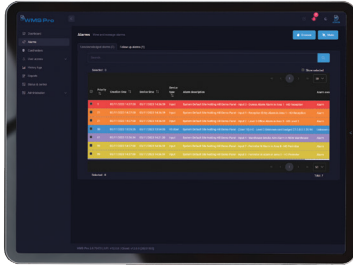
	CTPlus	WMS Pro	TecomC4	Forcefield
Third Party Integration cont.				
Commend IP intercom				✓
Jacques 550 intercom				✓
Teleste VMX IP video system				✓
DVTel alarm interface				✓
Ascom Nira duress				✓
KONE destination lift interface			✓	✓
Schindler destination lift interface			✓	
Otis destination lift 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	WMS Pro	WMS Pro	WMS Pro	WMS Pro
	V2.0	V2.1	V2.2	V3.0	V3.1
CTPlus 3.1	✓	✓	✓	✓	✓
CTPlus 3.2		✓	✓	✓	✓
CTPlus 3.3		✓	✓	✓	✓
CTPlus 3.4		✓	✓	✓	✓
CTPlus 3.5		✓	✓	✓	✓
SCPIInterface v1.0.0.4	✓	✓	✓	✓	✓
Cardholders API		API v1	API v1	API v1	API v1
3rd Party API			API v2	API v2	API v2

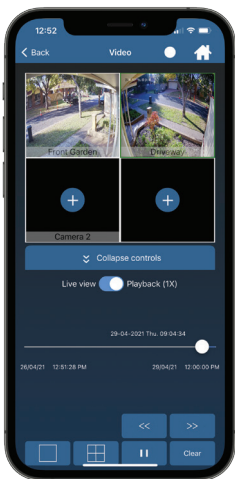
Tecom Software

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. Installers wanting to purchase WMS Pro must complete relevant training prior to registering the product, which may be completed [online](#).

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.



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