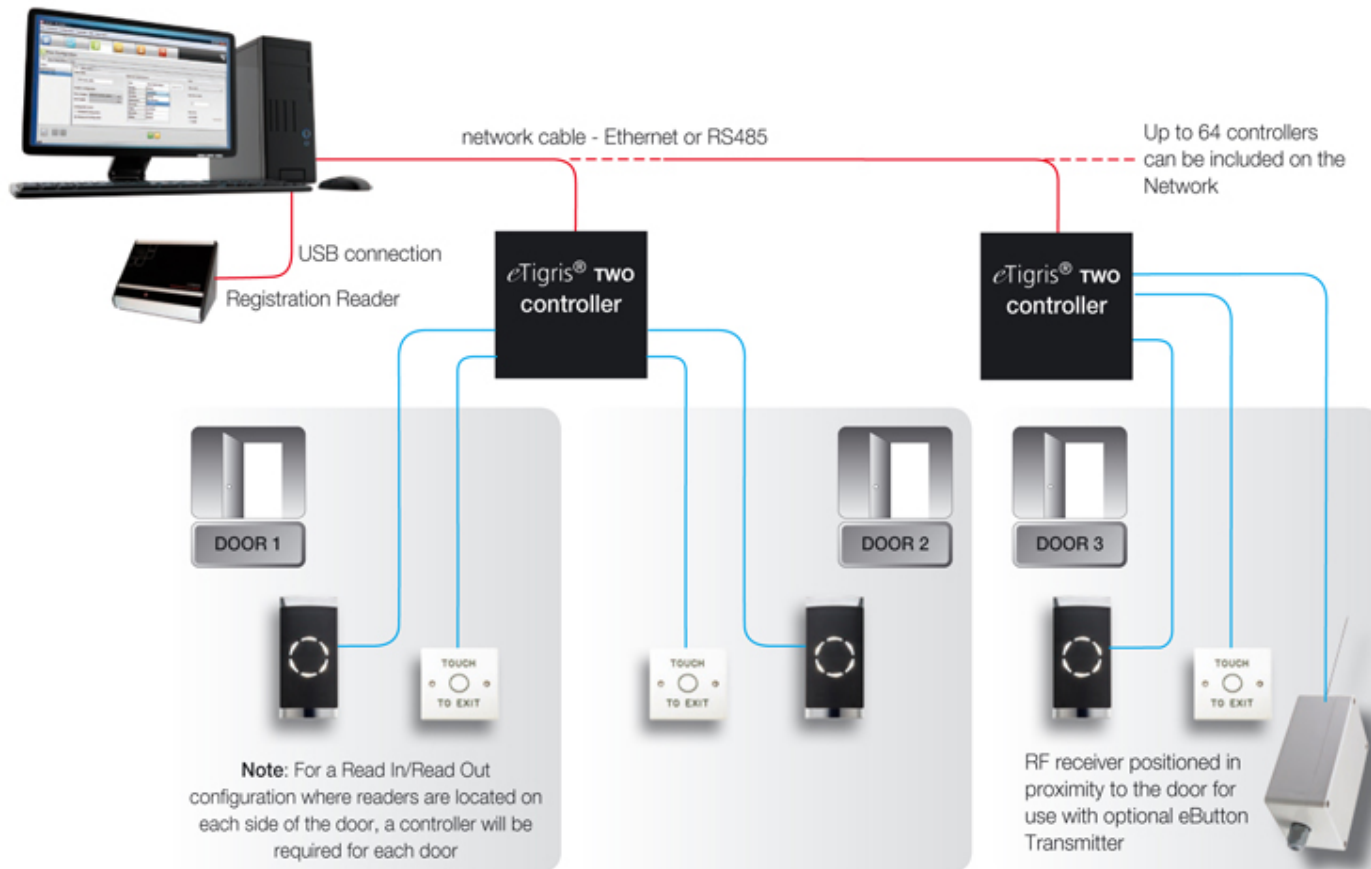


eTigris® | TWO access control system networked doors, step by step specification guide

eTigris® | TWO.220 supports up to 10,000 users and 128 networked doors and is therefore ideal for small to medium size systems. For larger projects, please contact our sales office for further assistance.

In addition to these guides assistance can be sought please email enquiries@access2.com or contact sales on **0191-215-0530**.





The eTigris®|TWO.220 access control equipment uses RFID (Radio Frequency Identification) technology consisting of an accessible reader unit mounted adjacent to the door, a control unit mounted in a convenient cupboard or ceiling void and an access credential which transmits an electronic ID to the reader.


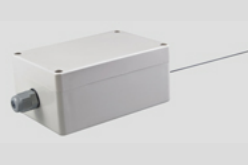




- Up to 10,000 individual users
- Up to 128 networked doors




To specify a network door access control solution, please follow the seven step process below.


Step 1: Select the PC & Software					
eTigris® TWO PC Control for Networked Doors		Qty to specify	When to specify	Notes	
eTigris® TWO.220 software & registration reader	eTigris® TWO Windows™ software & registration reader. The registration reader is required to add credentials to the system	1	One required per system	Compatible with Microsoft XP Professional or Vista Business / Premium	
Computer (PC)	PC running Microsoft XP Professional or Vista Business / Premium. Minimum specification - 2 or more service processors, 4Gb of free RAM for use of the database server only, 320Gb of disc space with a display of 1024 x 768	1	One required per system	Dedicated PC not mandatory yet is recommended (see technical alert)	
<p>Technical Alert: Whilst a dedicated PC is not mandatory, it is recommended as, for example, your system is not likely to be disrupted by the later addition of other software programs</p>					

Step 2: Select how the user will enter & exit the door

eTigris® TWO Readers & Exit Buttons		Qty to specify	When to specify	Notes	
eTigris® TWO Weigand reader	Accessible control reader for use with the eTigris® TWO system. For use with eTouch credentials only. Supplied with chrome, black & yellow interchangeable end caps. Reader is suitable for internal or sheltered external applications	1 or 2 per door	One required per door (or two per door if read in / read out is required). Device operated by eTouch Key or eTouch Fob	n/a	
eTigris® TWO UHF receiver	eTigris® TWO UHF receiver for use with eButton transmitter. Can be mounted internally or externally	1 per door	Only when long range control is required. Device is operated by eButton (see below). One required per door. Not suitable for read in / read out applications	See technical alert below	
EA ANRTEP	Request to exit switch, single gang, surface mounted, white plastic	1 per door	For medium duty applications	n/a	
EA ANRTEF 02	Request to exit switch, single gang, flush mounted, stainless steel	1 per door	For heavy duty applications	n/a	
EA ANBGSDPR	Green break glass, surface mounted - double pole - resettable	1 per door	Specify if door is a FIRE EXIT or crosses a fire route	See technical alert below	
Flush Vandal Resistant Kit	Kit that provides vandal resistance and or resistance from water to eTigris® TWO readers - flush mounted. Reader not included	1 per external door	Specify one per external door that is to be controlled by an eTigris® TWO Weigand reader	n/a	

eTigris® TWO Readers & Exit Buttons		Qty to specify	When to specify	Notes	
Surface Vandal Resistant Kit	Kit that provides vandal resistance and or resistance from water to eTigris® TWO readers - surface mounted. Reader not included	1 per external door	Specify one per external door that is to be controlled by an eTigris® TWO Weigand reader	n/a	

Technical Alert: The field strength and range of an eButton transmitter is largely dependent upon the building structure and environment. When activated, the eButton transmits a UHF signal that is multi directional and therefore will activate all compatible receivers within its range. The user of the eButton transmitter may therefore unintentionally activate multiple openings. To avoid this, UHF receivers should be located a minimum distance of 150m apart. Doors fitted with access control that cross a fire route or are classed as a fire exit should integrate to the fire alarm system so when activated fail in the open or unlocked state. Please refer to the Access Control Design Guide or consult your local fire officer and building control officer.

Step 3: Select the quantity of door control units to support step 2 choices					
eTigris® TWO Door Control Units		Qty to specify	When to specify	Notes	
eTigris® TWO.220 system controller	eTigris® TWO system door controller in mild steel cabinet with 2amp PSU. The PSU has 1amp free for electric locking and exit devices	1 per two readers / UHF receivers	1 Per door using read in/read out, or 1 per pair of doors using read in only	See technical alert below	


Technical Alert: Readers can be located up to a maximum of 100m from the system controller, if a reader is further than 100m from the controller then an additional controller is required. If in doubt please state that your specification is SUBJECT TO SURVEY.

Step 4: Select how the doors shall be locked






eTigris® Electro Magnetic Locks		Qty to specify	When to specify	Notes	
EA ML1000	eTigris® mini magnet, 600lbs holding force	1 per door	Single outward opening door, low security applications	Lock surface mount on the underside of the head frame, with the armature fixed to the face of the door	
EA ML1002	eTigris® double mini magnet, 600lbs holding force	1 per door	Double outward opening door, low security applications	Lock surface mount on the underside of the head frame, with the armature fixed to the face of the door	
EA ML1000L	eTigris® L bracket for mini magnet	1 per door	Allows ML1000 lock to be fitted to a single outward opening door	where door is flush with the frame (2 required for ML1002)	
EA ML1000ZL	eTigris® Z & L bracket for mini magnet	1 per door	Allows ML1000 lock to be fitted to a single inward opening door	(2 required for ML1002)	
EA ML1100	eTigris® standard magnet, 1200lbs holding force	1 per door	Single outward opening door, medium security applications	Lock surface mount on the underside of the head frame, with the armature fixed to the face of the door	
EA ML1102	eTigris® Double standard magnet, 1200lbs holding force	1 per door	Double outward opening door, medium security applications	Lock surface mount on the underside of the head frame, with the armature fixed to the face of the door	

eTigris® Electro Magnetic Locks		Qty to specify	When to specify	Notes	
EA ML1100L	eTigris® L bracket for standard magnet	1 per door	Allows ML1100 lock to be fitted to a single outward opening door	where door is flush with the frame (2 required for ML1102)	
EA ML1100ZL	eTigris® Z & L bracket for standard magnet	1 per door	Allows ML1000 lock to be fitted to a single inward opening door	(2 required for ML1102)	

Step 5: Select any additional PSU(s)

eTigris® Power Supplies		Qty to specify	When to specify	Notes	
<p>Technical Alert: Additional PSUs may be required! Each system controller has the capacity to provide a maximum of 1Amp (1000mA) to electronic locking and request to exit devices. If this amount is exceeded, please use additional power supply units as required. For further information on sizing the correct PSU please refer to the Access Control Design Guide or contact us for further assistance.</p>					
EA ANPSU1	Power supply unit, 12V DC - 1Amp. steel boxed	1 per door controller	Specify 1 for each door controller when less than 1 Amp of additional current capacity is required	n/a	
EA ANPSU2	Power supply unit, 12V DC -2 Amp. steel boxed	1 per door controller	Specify 1 for each door controller when less than 2 Amps of additional current capacity is required	n/a	
EA ANBAT7	Back-up battery, 12V - 7 Ampere/hour	1 per PSU	Specify 1 for each PSU specified	All electro magnetic locks are fail open. In the event of power failure the door will unlock. A battery will provide emergency power for a limited period	

Step 6: Select the user credentials

eTigris® Credentials		Qty to specify	When to specify	Notes	
eTouch Key	Accessible control credential. Supplied with a Tigris® Premier or Omega key (Please specify key details & add the cost of the key)	1 per user	Add up all of the users that require an eTouch Key	n/a	
eTouch Fob	Accessible control credential. Can be upgraded later to incorporate a Tigris® Premier or Omega key	1 per user	Add up all of the users that require an eTouch Fob	n/a	
eButton Transmitter	Accessible control credential. Push button remote transmitter for use with eTigris® TWO UHF Receiver	1 per user	Add up all of the users that require an eButton. Used only with eTigris® TWO UHF receiver	eTigris® TWO UHF receiver must be included within the system	
eTouch Key Upgrade Pack	Converts Tigris® Premier or Omega key to an eTouch Key. Please specify Premier or Omega. (Only a screwdriver is required)	See Notes	Specify only when existing Tigris® Premier or Omega keys exist that require upgrade to eTouch Key	n/a	
eTouch Fob Upgrade Pack	Converts eTouch Fob to accept a Tigris® Premier or Omega key and thus become an eTouch Key. Please specify key details. (Only a screwdriver is required)	See Notes	Specify only when existing eTouch Fobs exist that require upgrade to eTouch Key	n/a	

Further power supplies, push to exit devices & electronic locking options are available please email enquiries@access2.com or contact sales on 0191-215-0530 further details.