

NEXA GATE SERIES

NX-BR545-F

Boom Barrier

TIER 5 PRO



4.5 m

FOLDING
ARM

3–6 s

OPENING
TIME

8M

CYCLE
LIFECYCLE

IP54

PROTECTION
RATING

01 OVERVIEW

Folding-arm boom barrier for basement and low-ceiling car parks, where a straight arm cannot rise. 4.5 m articulated aluminium arm, brushless motor, 3–6 s travel and 8 million-cycle lifecycle.

02 KEY FEATURES

01 Articulated 4.5 m arm for low-ceiling entrances

The arm folds at 90°, so it clears low basement ceilings a straight boom would hit.

02 DC 24 V brushless motor, 3–6 s travel

Brushless drive runs quietly and needs no brush replacement over its service life.

03 8,000,000-cycle lifecycle, IP54

Rated for the constant in-and-out traffic of a residential or commercial basement.

04 UPS backup and LED arm strip optional

UPS backup keeps the lane working through load-shedding; the LED strip improves night visibility.

03 TYPICAL APPLICATIONS

Basement Car Parks

Low-Ceiling Entrances

Apartment Basements

Hotels

Commercial Buildings

Hospitals

04 RECOMMENDED SOLUTION

Basement Car Park

LOW-CEILING BASEMENTS

NX-BR545-F

NX-BR560-F

NX-SF310

NX-VR310

Folding arm clears low ceilings safely.

Paid Car Park

MALLS, HOSPITALS, COMMERCIAL BUILDINGS

NX-TD510

NX-TD510-E

NX-PT510

Nexakey ParkOS

NX-BR545-F

Tickets, cards and QR payment, with data kept on site.

05 TECHNICAL SPECIFICATIONS

CABINET	
Housing dimensions	237 × 300 × 1020 mm
Housing thickness	1.5 mm + 1.2 mm
Housing material	Painted carbon steel
DRIVE	
Movement	Die-cast aluminium alloy, integrated casting
Transmission	Crank-rocker mechanism, helical gear drive, carburised gearbox gears
Motor	DC 24 V brushless
ELECTRICAL	
Power input	110–240 V AC, 50/60 Hz
Power consumption	120 W
ARM	
Arm type	Folding (articulated) arm, 90° fold
Arm length	4.5 m
Arm material	Aluminium alloy with red reflective strips
PERFORMANCE	
Opening / closing time	3–6 s
Lifecycle	8,000,000 cycles

CONTROL	
Control interface	Dry contact (standard); RS485 (optional)
Remote control	430 MHz, range up to 30 m, up to 50 remotes per barrier
Status indicator	On-cabinet LED indicator
ENVIRONMENT	
Protection rating	IP54
Operating temperature	–20 °C to +70 °C
Operating humidity	20%–95%, non-condensing
SAFETY	
Obstruction protection	Auto-reverse when an obstruction is detected
Safety inputs	Inputs for ground loop detector and infrared photocell
Power failure	Manual release by key
INTEGRATION	
System integration	Works with ANPR cameras, UHF readers, access controllers and parking software
OPTIONS	
Optional accessories	UPS battery backup; LED light strip on arm; infrared safety beam NX-SF310; vehicle detection radar NX-VR310
COMPLIANCE	
Certification	CE

Values shown as "up to" or "typical" are indicative industry figures, not tested results. Confirm critical values with your Nexakey distributor before tender.

06 ACCESSORIES & RELATED MODELS

NX-BR560-F
Boom Barrier

NX-SF310
Infrared Safety Beam

NX-TD510
Parking Entry Terminal

07 WARRANTY & SUPPORT

Exclusive Distributor

DigiMark Solution is the exclusive Nexakey distributor for Bangladesh. Warranty is registered and serviced locally — no overseas RMA.

Installation & Commissioning

Site survey, installation and commissioning by trained engineers, with handover training for your security team.

Nationwide Service

Service and spare-part support through branches in Dhaka, Chattogram and the divisional offices.

Spare Parts Held Locally

Fast-moving parts stocked in Dhaka to keep lane downtime short.

08 ORDERING INFORMATION

MODEL	DESCRIPTION	AVAILABILITY
NX-BR545-F	Boom Barrier	Indent Order
NX-BR560-F	Boom Barrier	Indent Order
NX-SF310	Infrared Safety Beam	Indent Order
NX-TD510	Parking Entry Terminal	Indent Order

Availability indicative. Confirm lead time and warranty terms with your exclusive Nexakey distributor at order. Prices on request.