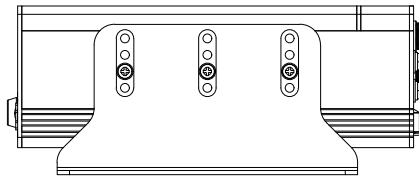
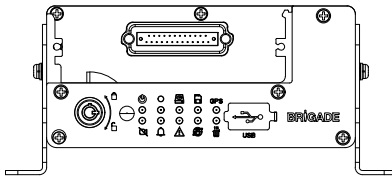
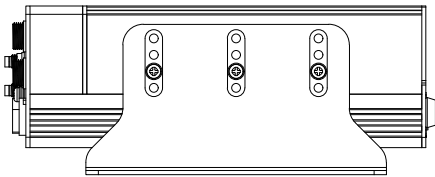
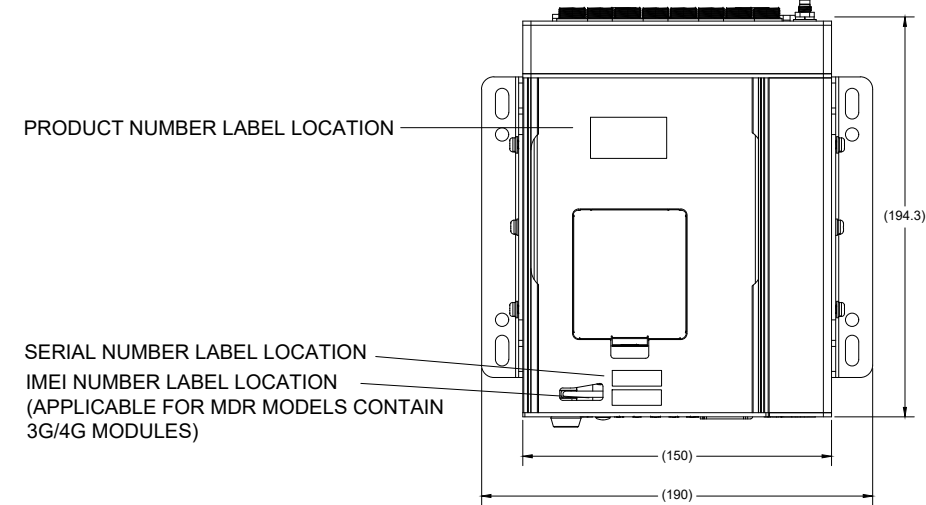


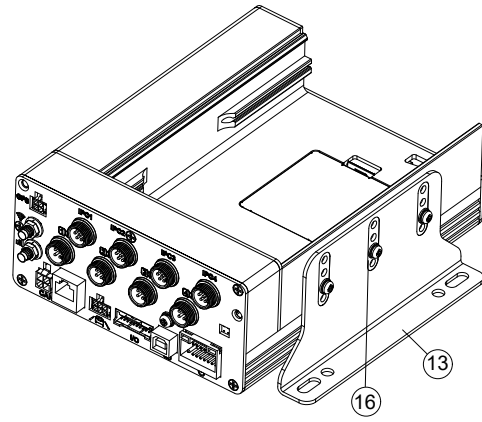
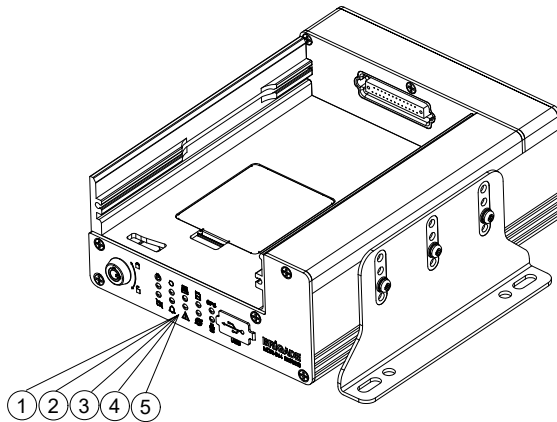
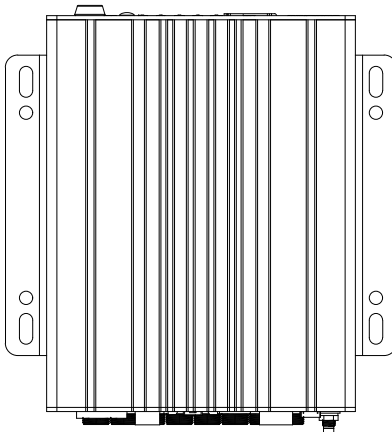
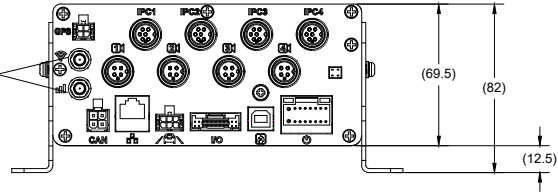
Revision Notes.				
R4 - FW VERSION UPDATED AS PER CR-A997				
APA: P. BU	Drawn:S. ZHANG	Checked:F. ADEMUJIMI	Approved:A. KEBEDE	Date: 16/08/2023
R5 - FW VERSION UPDATED AND CONFIG FILE NEWLY ADDED AS PER P1684.				
APA: K. JIANG	Drawn:S. ZHANG	Checked:F. ADEMUJIMI	Approved:R. PENTLEY	Date: 15/11/2024
R6 - FW VERSION AND CONFIG FILE UPDATED AS PER CR-A1166 (P1778)				
APA: J. LIU	Drawn:P. BU	Checked: E. Mathew	Approved: S. ZHANG	Date: 02/12/2025

PRODUCT NUMBER LABEL LOCATION

SERIAL NUMBER LABEL LOCATION
IMEI NUMBER LABEL LOCATION
(APPLICABLE FOR MDR MODELS CONTAIN
3G/4G MODULES)



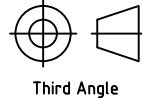
SEE NOTE 3.



- NOTES:
1. REFERENCE INSTRUCTION MANUAL FOR FUNCTIONALITY.
 2. ANY CUSTOMER MODIFICATION OF THIS PRODUCT CAUSING SUBSEQUENT FAILURE IS NOT A LIABILITY OF BRIGADE ELECTRONICS GROUP PLC.
 3. MOBILE NETWORK AND Wi-Fi CAPABILITIES DEPEND ON MODEL AND AVAILABILITY.
 4. FIXING SCREWS SUPPLIED IN CLEAR PLASTIC BAG.
 5. VARIOUS SYSTEM OPTIONS A, B, C, D OR E CONTAIN RELEVANT COMPONENTS.
 6. REFER TO COMPONENT DRAWINGS FOR DETAILED COMPONENT INFORMATION.
 7. FOR ALL LABELS AND PACKAGING REFER TO MASTER BOM.
 8. PART DESCRIPTIONS CONTAINING "" ARE FOUND WITHIN THE CONTROL UNIT. REFER TO MASTER BOM FOR DETAILS.

PROPRIETARY NOTICE
THIS DESIGN AND TECHNICAL INFORMATION APPEARING ON THIS DRAWING IS THE PROPERTY OF BRIGADE ELECTRONICS, AND IS DISCLOSED IN CONFIDENCE. IT IS NOT TO BE COPIED, REPRODUCED, REVEALED TO OR EXPROPRIATED BY OTHERS, EITHER IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN CONSENT OF BRIGADE ELECTRONICS.

Brigade
brigade-electronics.com



Sheet 1 of 3	Assembly PI Approval P. BU	Approved by S. LAVER	Checked by F. ADEMUJIMI	Drawn by S. ZHANG
Customer Approval N/A	Angle of Projection	Units mm	Scale N/A	Released 14/01/22
		Status RELEASED	MDR-644XX-DS-E01	
		Part No VARIOUS	BE-004583-06-21	

Revision Notes.				
R4 - FW VERSION UPDATED AS PER CR-A997				
APA: P. BU	Drawn:S. ZHANG	Checked:F. ADEMUJIMI	Approved:A. KEBEDE	Date: 16/08/2023
R5 - FW VERSION UPDATED AND CONFIG FILE NEWLY ADDED AS PER P1684.				
APA: K. JIANG	Drawn:S. ZHANG	Checked:F. ADEMUJIMI	Approved:R. PENTLEY	Date: 15/11/2024
R6 - FW VERSION AND CONFIG FILE UPDATED AS PER CR-A1166 (P1778)				
APA: J. LIU	Drawn:P. BU	Checked: E. MATHEW	Approved: S. ZHANG	Date: 02/12/2025

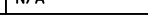
ITEM	PART NUMBER	QTY	MODEL NUMBER	DESCRIPTION	CONFIG FILE	MCU VERSION	FIRMWARE VERSION
Ⓐ	6633	1	MDR-644-DS-E01	MDR 600 4 ANALOGUE CHANNELS, 4 IP CHANNELS, 64GB SD, WITHOUT MCU	MDR 644 EU CONFIG FILES - 061125	T22061801	RC25103060
Ⓑ	6634	1	MDR-644G-DS-E01	MDR 600 4G, 4 ANALOGUE CHANNELS, 4 IP CHANNELS, 64GB SD, WITHOUT MCU			
Ⓒ	6635	1	MDR-644GW- DS-E01	MDR 600 4G & WIFI, 4 ANALOGUE CHANNELS, 4 IP CHANNELS, 64GB SD, WITHOUT MCU			
Ⓓ	6636	1	MDR-644G-DS-E01(NA)	MDR 600 4G, 4 ANALOGUE CHANNELS, 4 IP CHANNELS, 64GB SD, WITHOUT MCU - NA	MDR 644 NA CONFIG FILES - 061125		
Ⓔ	6637	1	MDR-644GW-DS-E01(NA)	MDR 600 4G & WIFI, 4 ANALOGUE CHANNELS, 4 IP CHANNELS, 64GB SD, WITHOUT MCU - NA			



ITEM	①	②	③	④	⑤
DESCRIPTION	MDR 600 4 ANALOGUE CHANNELS, 4 IP CHANNELS DOCKING STATION, 64GB SD CARD*	MDR 600 4 ANALOGUE CHANNELS, 4 IP CHANNELS DOCKING STATION WITH 4G, 64GB SD CARD*	MDR 600 4 ANALOGUE CHANNELS, 4 IP CHANNELS DOCKING STATION WITH 4G & WIFI, 64GB SD CARD*	MDR 600 4 ANALOGUE CHANNELS, 4 IP CHANNELS DOCKING STATION WITH 4G, 64GB SD CARD - NA*	MDR 600 4 ANALOGUE CHANNELS, 4 IP CHANNELS DOCKING STATION WITH 4G & WIFI, 64GB SD CARD - NA*
MODEL NUMBER	MDR-644-DS	MDR-644G-DS	MDR-644GW-DS	MDR-644G-DS(NA)	MDR-644GW-DS(NA)
PART NUMBER	6610	6611	6612	6613	6614
MDR-644-DS-E01	1	-	-	-	-
MDR-644G-DS-E01	-	1	-	-	-
MDR-644GW- DS-E01	-	-	1	-	-
MDR-644G-DS-E01(NA)	-	-	-	1	-
MDR-644GW-DS-E01(NA)	-	-	-	-	1

- NOTES:
- REFERENCE INSTRUCTION MANUAL FOR FUNCTIONALITY.
 - ANY CUSTOMER MODIFICATION OF THIS PRODUCT CAUSING SUBSEQUENT FAILURE IS NOT A LIABILITY OF BRIGADE ELECTRONICS GROUP PLC.
 - MOBILE NETWORK AND WI-FI CAPABILITIES DEPEND ON MODEL AND AVAILABILITY.
 - FIXING SCREWS SUPPLIED IN CLEAR PLASTIC BAG.
 - VARIOUS SYSTEM OPTIONS A, B, C, D OR E CONTAIN RELEVANT COMPONENTS.
 - REFER TO COMPONENT DRAWINGS FOR DETAILED COMPONENT INFORMATION.
 - FOR ALL LABELS AND PACKAGING REFER TO MASTER BOM.
 - PART DESCRIPTIONS CONTAINING "*" ARE FOUND WITHIN THE CONTROL UNIT. REFER TO MASTER BOM FOR DETAILS.

PROPRIETARY NOTICE
THIS DESIGN AND TECHNICAL INFORMATION APPEARING ON THIS DRAWING IS THE PROPERTY OF BRIGADE ELECTRONICS, AND IS DISCLOSED IN CONFIDENCE. IT IS NOT TO BE COPIED, REPRODUCED, REVEALED TO OR EXPROPRIATED BY OTHERS, EITHER IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN CONSENT OF BRIGADE ELECTRONICS.

	Sheet 2 of 3	Assembly PI Approval P. BU	Approved by S. LAVER		Checked by F. ADEMUJIMI	Drawn by S. ZHANG
Customer Approval N/A	Angle of Projection  Third Angle	Units mm	Scale N/A	Released 14/01/22	Assembly Ref -	
 gade electronics.com		Status RELEASED		MDR-644XX-DS-E01		
		Part No VARIOUS		BE-004583-06-21		



ITEM	⑥	⑦	⑧	⑨	⑩	⑪	⑫
DESCRIPTION	MDR INPUT / OUTPUT CABLE (NOT SHOWN)	MDR POWER CABLE (NOT SHOWN)	MDR GPS ANTENNA (NOT SHOWN)	MDR MOBILE NETWORK ANTENNA (NOT SHOWN)	MDR Wi-Fi ANTENNA (NOT SHOWN)	MDR USB A TO B CABLE (NOT SHOWN)	SECURITY KEY (NOT SHOWN)
MODEL NUMBER	MDR-IO-02	MDR-PWR-01	MDR-ANT-GPS-03	MDR-ANT-MOB-01	MDR-ANT-WIFI-01	MDR-USB-B-02	MDR-KEY-01
PART NUMBER	6623	5141	6624	4989	4990	5195	4891
MDR-644-DS-E01	1	1	1	-	-	1	1
MDR-644G-DS-E01	1	1	1	1	-	1	1
MDR-644GW- DS-E01	1	1	1	1	1	1	1
MDR-644G-DS-E01(NA)	1	1	1	1	-	1	1
MDR-644GW-DS-E01(NA)	1	1	1	1	1	1	1

ITEM	⑬	⑭	⑮	⑯	⑰
DESCRIPTION	2 x MDR BRACKETS	MDR MOUSE (NOT SHOWN)	ENGLISH SHORT INSTALLATION GUIDE (NOT SHOWN)	7 x FIXINGS FOR MDR BRACKETS	VEHICLE WARNING STICKER (NOT SHOWN)
MODEL NUMBER	MDR-BKT-01	MDR-MOUSE-01	MDR-600-SIG-EN	MDR-BKT-FIX-01	MDR-VWS
PART NUMBER	5138	5250	7046B	5197	5252
MDR-644-DS-E01	1	1	1	1	1
MDR-644G-DS-E01	1	1	1	1	1
MDR-644GW- DS-E01	1	1	1	1	1
MDR-644G-DS-E01(NA)	1	1	1	1	1
MDR-644GW-DS-E01(NA)	1	1	1	1	1

NOTES:
1. REFERENCE INSTRUCTION MANUAL FOR FUNCTIONALITY.
2. ANY CUSTOMER MODIFICATION OF THIS PRODUCT CAUSING SUBSEQUENT FAILURE IS NOT A LIABILITY OF BRIGADE ELECTRONICS GROUP PLC.
3. MOBILE NETWORK AND Wi-Fi CAPABILITIES DEPEND ON MODEL AND AVAILABILITY.
4. FIXING SCREWS SUPPLIED IN CLEAR PLASTIC BAG.
5. VARIOUS SYSTEM OPTIONS A, B, C, D OR E CONTAIN RELEVANT COMPONENTS.
6. REFER TO COMPONENT DRAWINGS FOR DETAILED COMPONENT INFORMATION.
7. FOR ALL LABELS AND PACKAGING REFER TO MASTER BOM.
8. PART DESCRIPTIONS CONTAINING "" ARE FOUND WITHIN THE CONTROL UNIT. REFER TO MASTER BOM FOR DETAILS.

PROPRIETARY NOTICE
THIS DESIGN AND TECHNICAL INFORMATION APPEARING ON THIS DRAWING IS THE PROPERTY OF BRIGADE ELECTRONICS, AND IS DISCLOSED IN CONFIDENCE. IT IS NOT TO BE COPIED, REPRODUCED, REVEALED TO OR EXPROPRIATED BY OTHERS, EITHER IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN CONSENT OF BRIGADE ELECTRONICS.

Sheet3 of 3

Customer ApprovalN/A

Assembly PI ApprovalP. BU

Approved byS. LAVER

Checked byF. ADEMUJIMI

Drawn byS. ZHANG

Unitsmm

ScaleN/A

Released14/01/22

Assembly Ref-

StatusRELEASED

MDR-644XX-DS-E01

Part NoVARIOUS

BE-004583-06-21

Angle of Projection

Third Angle