

Epic Biomedical Device Integration with Capsule



Agenda

- 1. Data flow to Epic from Capsule
 - 1. Connectivity overview
 - 2. Neurons / DIM's
 - 3. Axons:
 - Serial cables
 - Settings
 - Axon configuration
 - 4. SmartLinx

2. Troubleshooting

- 1. Axon troubleshooting
- 2. Ensemble
- 3. Epic
- 3. Advanced Troubleshooting
 - 1. MPI ID conventions
 - 2. Neuron data view
 - 3. SmartLinx
 - DMM Stacks
 - Output connectors
 - Loopback

Data path from device to EMR



Data flow to Epic from Capsule



* New components *

Device to Neuron Connectivity



Device

Serial Cable Connects to medical device DIM Identifies device connected Patch Cable Connects DIM to Neuron

Neuron Manages device

connectivity at the bedside, sends data to server

Neurons

- Connects to Smartlinx server via PHS IS wired and wireless networks
- Collects parameters, alarms, and waveforms
- Neuron configuration contains drivers needed for device data
- Typically configured for a specific location (i.e. OR, ICU)
- Displays connected devices and current data transmission
- Can buffer data collected during loss of network (Axons cannot)
- Inputs:
 - Medical device data from DIMs
 - ADT info for current patient, if applicable
- Outputs
 - Medical device data to Smartlinx



Device Identification Module (DIM)

- DIM connects the medical device to Capsule's communication device on the network (Neuron or Axon)
 - We will not use DIMs for Axons
- You can program a DIM by connecting it to a Neuron and configuring on the Neuron interface- Label it
- DIM is programmed with:
 - Medical Device Type
 - Free Text label for identifying the device called "ID Tag" (i.e. MON1 , VENT1)
 - Baud Rate
 - Parity / Data / Stop



DIM usage allows you to connect the device into any port on the neuron.

Axons

- 8-Port, 4-Port, & 1-Port Configurations
- Used in most Main Biomed areas (replaced Lantronix devices)
- Dialysis, Endoscopy, MRI areas, etc.
- Wired connection
- Each port is programmed to a specific room & device type
 - DIM's are not needed since we have same device type
- Only collects parameters from devices (no waveforms)
- Powered over ethernet
- No data caching







Device Specific Serial Cable

Serial to Patch Cable

Axons



EPIC AND ENSEMBLE INFORMATION				
LOCATION	ENSEMBLE NAMING CONVENTION			
BLAKE 4 ENDO HOLD (HOLD,PEDI, PROC)	MGHENDO_HOLD## (HOLD, PEDI, PROC)			
BLAKE 4 ENDO REC (where @ is letter)	MGHENDO_REC@			
CRP 9 ENDO	MGHENDO_CRPHOLD## (HOLD,REC,PROC)			
YAW 8 PEDI HEME-ONC	MGHYAWPEDI_01			
ELLISON 2 MRI	MGHMRI_ELL2##			
WHITE 1 MRI	MGHED_MRI01			
EP HOLDING ROOM	MGHEP_HOLD##			
HEMODIALYSIS	MGHHD_BAY##			
LUNDER 6 MRI/Proc Room	MGHMRI_LUNPROC01			
MGW IR SUITE 1 (where @ is a letter)	MGHWALIR_1@			
MGW ULTRASOUND IMAGING AREA (where @ is a letter)	MGHWALUS_4@			

Device Specific Serial Cables and Settings

Device	Baud Rate	Parity/Data Bits/Stop Bits	Protocol
Solar	9600	N81	NA
Invivo Expression	9600	N81	Invivo
Carescape B series	19200	N81	NA
Dash Series	9600	N81	NA
Fresenius 2008T	9600	N81	NA

Device	Serial Cable	Additional Adapters
Solar	B1-CFB	
Invivo Expression	B1-CFA	
Correspond D. Corrigo		
Carescape B Series	BI-CFI	USB to serial converter
Dash Series	B1-CAQ	
Fresenius 2008T	B1-CFH	

Capsule Patch Cables

Ordering Information

DataCaptor Device Cables: B1 - CFX

DataCaptor DIM Patch Cable 2 foot: B1-CPAT-DIM-2

DataCaptor DIM Patch Cable 5 foot: B1-CPAT-DIM-5

DataCaptor DIM Patch Cable 14 foot: B1-CPAT-DIM-14

DataCaptor Direct Patch Cable 5 foot: B1-CPAT-DIR-5 DataCaptor Direct Patch Cable 14 foot: B1-CPAT-DIR-14

DataCaptor DIM-to-PC Patch Cable 5 foot: B1-CPAT-DIMPC-5 DataCaptor DIM-to-PC Patch Cable 14 foot: B1-CPAT-DIMPC-14 DataCaptor Direct-to-PC Patch Cable 5 foot: B1-CPAT-DIRPC-5 DataCaptor Direct-to-PC Patch Cable 14 foot: B1-CPAT-DIRPC-14

Direct Patch Cable

Static connections to Terminal Server

- Connectors
 - to Device Cable: D-sub 9 pin (DE-9) male
 - to Terminal Server: RJ45
- Cable length not including connectors:
 5 feet (1.5 m) or 14 feet (4.2 m)

Configuring Axons

- Axons are set to DHCP by default
- Use Digi Device Discovery tool to discover the Axon on the network
 - Digi Tool PC and Axons must be on same subnet for discovery
- Download the tool from the Customer Portal
- If you know the Axon's IP, you can access the configuration directly
 - Open secure https browser connection to Axon IP
 - Username: admin
 - Password: DTSadmin
 - Password can be changed via Axon Web Interface

No logoff required, as it's a browser-based connection

Run Digi Device Discovery to find your Axons

Link to Install Digi Device Discovery Tool

Digi Device Discovery				
	-			
Device Tasks	IP Address	MAC Address	Name	Device
Open web interface Telnet to command line Configure network settings Restart device	2 1/2. 10. 196. 101	00:40:9D:C3:73:5A	Axon	SmartLinx Axon 610
Other Tasks				
Refresh view Help and Support				
Details				
SmartLinx Axon 810 Configured (DHCP) IP address: 172.16.196.161 Subnet mask: 255.255.255.0 Default gateway: 172.16.196.1 Serial porter 8				
Firmware: 3.2.6.37				
1 device				My Device Network

- 1. Power on the axon & connect it to the network
- 2. Open the Digi Device Discovery tool from a PC on the same VLAN
- 3. Double-click the axon (this will open the Device Config web page)
 - a. If the axon, doesn't show up click "Refresh view"
- 4. Click Advanced and Proceed to...
- 5. Login
 - a. Username: admin
 - b. Password: DTSadmin
- 6. Configure the hostname
 - a. Click Ethernet Network.
 - b. Enter the axon hostname. Do not include the ".partners.org" If it is a spare axon, give it the next sequential spare hostname so it will be easier to swap in the future.
 - c. Click Apply.



SmartLinx Axon 810

Home	Ethernet Network Configuration	
Configuration	Current IP Parameters	
Ethernet Network Wireless Network Serial Ports Network Services SNMP Time Admin Password Administration Certificate Management Backup/Restore Firmware Update Factory Default Settings Network Status Serial Port Status	Automatic address assignment via DHCP is enabled. IP Address: 172.16.196.161 Subnet Mask: 255.255.255.0 Default Gateway: 172.16.196.1 Interface Configuration Enable this network interface Speed: Auto V Duplex Mode: Auto V Stored IP Configuration Obtain an IP address automatically using DHCP Enable AutoIP address assignment	
Find Me LED Legal Notices Reboot	Use the following IP address: IP Address: 0.0.0.0 Subnet Mask: 0.0.0.0	
3	Default Gateway: 0.0.0.0 Host Name Configuration Host Name: Axon Axon Domain Name Service Configuration Primary DNS: 8.8.8.8 Secondary DNS: 0.0.0.0 Apply	big10dialysis1-axon edmri-axon

Configuring Axons in SmartLinx



Configuring Axons in SmartLinx

👹 SmartLinx Control Center - localhost

Menu Summary	Neurons	DDIs			Hulti-feed			
🕂 Add 🕂 Add Multiple	2 DDI Info	🔇 Remove	DDI(s) 💦 DDI Settings	s 🜔 Start DDI(s)	Stop DDI(s)	🕥 Start All	Stop All	Output Stream
Available Device Interfac	ces	Configured Id	lentifier Status	Location Port				
 Aspect Bard Medical Capsule Technologie Cheetah Medical Covidien Datex Dräger Fresenius Kabi Fresenius2008H Fresenius2008K Fresenius2008K2 Fresenius2008K2 Fresenius2008K2 	~	Fresenius Ka //	DDI Settings DDI Settings DDI Info Start DDI(s) Stop DDI(s) Remove DDI(s) Start All Stop All					



	Device Interface Configuration X
"MPI ID"^^DIM Name MGHHD_BAY01^^HD1	These settings are used to assign your choice of identifier to this specific device connection (optional), and to provide the communication mode and port configuration for the Fresenius Kabi, Fresenius2008T.
MGHENDO_HOLD01^^MON1	Device identifier: MGHHD_BAY01^^HD1
HOSTNAME	Communication mode: Serial ~
hig10dialysis1-ayon partners org	Interface: SmartLinx Axon 800 Series 🗸
big10dialvsis1-axon.partners.org	IP address or hostname: big10dialysis1-axon.partners.org Search
	Com port: 1 ~
**Please reference the below document	Baud rate: 9600 ~
for device identifiers and hostnames**	Parity/Data/Stop: N81 ~
Axon port configurations	OK Cancel

Device Interface Confi	guration X			
These settings are used to assign your choice of identifier to this specific device connection (optional), and to provide the communication mode and port configuration for the Fresenius Kabi, Fresenius2008T.				
evice identifier: MGHI	HD_BAY02^^HD1			
Communication mode:	Serial ~			
Interface:	DataCaptor Terminal Server 800 Series 🛛 🗸			
IP address or hostname	big10dialysis1-axon.partners.org			
Com port:	2 ~			
Baud rate:	9600 ~			
Parity/Data/Stop:	N81 ~			
C	OK Cancel			

😻 SmartLinx Control Center - localhost



Once the Axon is connected to the IS network and the DDI's are started in SmartLinx, Production Validation testing must be done for each bed/location. Two minutes of data must be confirmed and recorded on the below tracker.

Production Validation Tracker

Safe Medical Device Zone

- The axons and neurons are required to be within an SMDZ subnet
 - Required to be behind a firewall
 - Firewall exceptions were submitted to IS security
- The MGH Capsule team is working with IS/Network engineering to convert the ports to an SMDZ subnet after deployment
 - Jared and I will be providing the MAC addresses to Network Engineering at a later date

MPI ID's and DEV Record Names (examples)

Department	Neuron/Axon Name	DIM Name	MPI-ID	DEV Name
Endoscopy Holding	MGHENDO_HOLD01	MON1	MGHENDO_HOLD01-MON1	MON ENDO-HOLD01 MGH
Endoscopy Pedi	MGHENDO_PEDI01	MON1	MGHENDO_PEDI01-MON1	MON ENDO-PEDI01 MGH
Endoscopy Proc	MGHENDO_PROC01	MON1	MGHENDO_PROC01-MON1	MON ENDO-PROC01 MGH
Endoscopy Recovery	MGHENDO_RECS	MON1	MGHENDO_RECS-MON1	MON ENDO-RECS MGH
Endoscopy CRP HOLD	MGHENDO_CRPHOLD11	MON1	MGHENDO_CRPHOLD11-MON1	MON HOLD-CRPHOLD11 ENDOSCO
CRP Recovery	MGHENDO_CRPREC01	MON1	MGHENDO_CRPREC01-MON1	MON ENDO-CRPREC01 MGH
Ellison MRI	MGHMRI_ELL201	MON1	MGHMRI_ELL201-MON1	MON MRI-ELL201 MGH
EP/Pacer Lab	MGHEP_01	MON1	MGHEP_01-MON1	MON EP-01 MGH
Lunder MRI	MGHMRI_LUNPROC01	MON1	MGHMRI_LUNPROC01-MON1	MON MRI-LUNPROC01 MGH
Emergency	MGHED_MRI01	MON1	MGHED_MRI01-MON1	MON ED-MRI01 MGH
MGH Yawkey Onc	MGHYAWPEDI 07	MON1	MGHYAWPEDI 07-MON1	MON Onc-07 MGH YAW
MGH Waltham Imaging	MGHWALIR_01A	MON1	 MGHWALIR_01A-MON1	MON IR-01A MGH WAL
Dialysis	 MGHHD_BAY01	HD1	 MGHHD_BAY01-HD1	HD HD-BAY01 MGH

SmartLinx

- Communicates to Ensemble for Epic integration
- Interface / Application server configured in clusters of 3 servers

"Perioperative" cluster

Server	Ensemble DNS	Ensemble Port	Ensemble Interface
PHSWEB1517	HSBIOOX.PARTNERS.ORG	55373	3283a
PHSWEB1512*	HSBIOOX.PARTNERS.ORG	55374	3283b
PHSWEB1515	HSBIOOX.PARTNERS.ORG	55375	3283c



"Inpatient/ICU" cluster

Server	Ensemble DNS	Ensemble Port	Ensemble Interface
PHSWEB2464	HSBIOOX.PARTNERS.ORG	55376	3283d
PHSWEB1551	HSBIOOX.PARTNERS.ORG	55377	3283e
PHSWEB1511	HSBIOOX.PARTNERS.ORG	55378	3283f

SmartLinx

- Runs two applications:
 - Smartlinx Command Console data and output management
 - Capsule Command Console (C3) Neuron management
- Inputs:
 - Raw medical device data
- Outputs:
 - Filtered and transformed device data as HL7 messages



Physical Connections



Figure 1 General Device Connection Setup in Areas using Axons



Figure 2 Endo Axon Setup



Figure 3 Device Specific Serial Cable & Serial to Patch Cable

Device Specific Serial Cables

Device	Serial Cable
Dash	B1-CAQ
Invivo Expression	B1-CFA
Solar	B1-CFB
Tiro	B1-CFB
B450	B1-CFT
Fresenius 2008T	B1-CFH

Restart DDIs

- 1. Remote into server phsweb1512
- 2. Launch the SmartLinx Control Center.
- 3. Click DDIs. Each room is programmed as an individual DDI.

0			SmartLinx Co	ntrol Center - localhost
Menu Summary Neurons	DDIs			Multi-feed
Overall Status	DDI Configuration State	us		
All DDIs are running normally	Configured	6		
Filtering is active.	🜔 Running	4		
HL7 output is active.	Acquiring	1		
	🛕 Error	0		

- 4. Select the room(s), showing issues.
- 5. Ensure that the Status is set to "Acquiring"
- 6. If the DDI says "Stopped", select it & then click "Start DDI"

GE, Dash 4000 MGHENDO_HOLD01^^MON1 OStopped 172.16.... COM7

7. If the DDI says "Acquiring", you can stop and then start it again.

GE, Dash 4000 MGHENDO_HOLD01^^MON1 OAcquiring 172.16.... COM7

8. To check if data is being received by the Axon, select the room(s) and click Output stream.

Rebooting an Axon Remotely

- 1. Login into server phsweb1512
 - a. Note: You can only access axons from server because of SMDZ restrictions
- 2. In Chrome, navigate to the axon's hostname.
- 3. Click Advanced and Proceed to x.x.x.x (unsafe)
- 4. Login using:
 - a. Username: admin
 - b. Password:
- 5. Under Administration, go to Reboot and click Reboot.
 - a. Note: Unlike the Neurons, the Axons do not have memory so the user will lose data while the device reboots.



Swapping an Axon

- 1. Connect the Spare axon to a regular IS jack.
- 2. In Chrome, navigate to the axon's hostname.
- 3. Click Advanced and Proceed to...(unsafe)
- 4. Login using:
 - a. Username: admin
 - b. Password: White401
- 5. Click Ethernet Network.
- 6. Change the hostname to the hostname of the axon you're replacing.
- 7. Click apply.
- 8. You can shutdown the axon and swap it out with the broken one.
- After installing it, check if data is being received in Ensemble. It may take a few minutes. If not, try stopping & starting the DDIs for that axon.

Troubleshooting: Data in Epic

- Check Epic first: Make sure the device is associated in EPIC and check data interval time (i.e. 1 minute versus 1 hour)
- Confirm:
 - Correct DEV record is attached
 - In flowsheets: device data is not hidden



Troubleshooting: Neuron Data in Ensemble

- Ensemble MDEV Message View: <u>http://ensutils.partners.org/MDEV/Recipients.aspx</u>
- Search by Neuron name in filter string

MGHOR_53	Basic Settings Environment: Application: Source:	PROD ALL ALL	Basic Settings (Cont.) Event Type: ALL Target: ALL Status:	V V V	Dates/Filters Start Date: End Date: Filter String:	2020-05-27 00:00:00 2020-05-27 23:59:59 mghor_53 Search
A MONITOR			Recipient	Messages		
	Source	Application Service EventType	Target	Date/Time Received Date/Time Sent	Pat_Name_(PID-5) Pat_Id_List_(PID-3) Device	Recipient_Message_Status
	Source Message	MGH Capsule 3283a_MGH_Capsule_ORU_HL7_in ORU^R01	541359_Epic_HL7_TCP_out Target Message Target Response	5/27/2020 8:47:00 AM 5/27/2020 8:47:00 AM	N/A N/A /IGHOR_53^^ANES1	"Sent"
	Source Message	MGH Capsule 3283a_MGH_Capsule_ORU_HL7_in ORU^R01	541359_Epic_HL7_TCP_out Target Message Target Response	5/27/2020 8:46:00 AM 5/27/2020 8:46:00 AM	N/A N/A MGHOR_53^^ANES1	"Sent"



Troubleshooting: Axon Data in Ensemble

- Ensemble MDEV Message View: <u>http://ensutils.partners.org/MDEV/Recipients.aspx</u>
- Search by Axon/Port name in filter string

Troubleshooting: Neuron connected

- Neurons can be updated and viewed through the Capsule Comand Consule (C3)
- C3 hub view allows you to confirm the Neuron (hub) is active and devices are connected

Devices



Clicking on the "Hub ID" link will take you to a page showing the current configuration of the Neuron, including a live view of the Neuron display

Advanced Troubleshooting

Advanced: Neuron MPI ID Conventions

- "MPI ID" is the unique identifier for a device
- The identifier is sent in two separate parts out of Smartlinx: PV1-3.1 and 3.3.
- 3.1 contains the Neuron name and 3.3 has the DIM Tag
- Those two components are put together on receipt into Epic to be read as the MPI ID

Ensemble message:
1MSH ^~\& DATACAPTOR . . . 20200603082200.498-0400 . ORU ^ R01 0603082
2PID . Neuron name DIM ID Tag
3PV1 . I MGHOR_53 ^. ^ ANES1 .
40BR 20200603082200.000-0400 . . MGHOR_53 . . MGHOR_53 .
MGH_B08_B0874A VENT1

Epic DEV build:

Rel	5000-MPI: ID TYPE	50	01-MPI:	ID
0	1. 1	1.	1	Combined
1	1. DEVICE [12]	1.	MGHOR	_53-ANES1

MGH_B08_B0874A-VENT1

Advanced: Neuron MPI ID Conventions

- "MPI ID" is the unique identifier for a device
- Both parts of the identifier are sent out of Smartlinx in PV1-3.1 as the configured name of the port in for the axon DDI
- Those two components are put together on receipt into Epic to be read as the MPI ID

Ensemble message:	
MGH_B08_B0874A-VENT1	

MGHHD BAY02-HD1

Epic DEV build:

VENT BLK08-874 MGH HD HD-BAY01 MGH

Advanced: Neuron data view

- Data captured from the device at the Neuron can be viewed
- Must connect from C3 on the server hosting the Neurons current connection
- Previewing live data is available from the Neuron Details page in C3



Variable IDs in the DDI Output live view can referenced in the Help File available on the Capsule customer portal.



Advanced: SmartLinx DMM Stack

- In SmartLinx, device data from a Neuron or Axon is filtered and transformed by Data Management Modules (DMMs)
- DMMs allow us to set frequency of data collection, parameter selection and other rules that determine final format and volume of data sent to downstream systems
- Rules are additive, with rules on top of GUI applied first

Save and Apply All Start DM	M 🚺 Stop DMM 🕥 Start All 👩 Stop All	Pipelines: 🔻 Default se	erver pipeline 🗸 🗸
DMMs ^	Data Selection O Remove Select		
Timestamp Management	Variable	Device Name	D
Filter disabled and up to date.	Respiration Rate (CO2), 23		D
Data Sampling Filter activated and up to date	Tidal Volume, 60		D
Location Extractor	Ventilation Mode, 584		D
Filter disabled and up to date.	Inspired Desflurane, 593		D
Multiset Extraction	Expired Desflurane, 594		D
Piter disabled and up to date.	Inspired Sevoflurane, 595		D
Filter disabled and up to date.	Expired Sevoflurane, 596		D
Attribute Extraction	Inspired Isoflurane, 605		D
Filter disabled and up to date.	Expired Isoflurane, 606		D
Concatenation Filter disabled and up to date	Expired O2, 634		D
Data Selection	Inspired O2 (FiO2), 635		D
Filter activated and up to date	Inspiratory Pause Setting, 780		D
Aperiodic Data	Positive End Expiratory Pressure (PEEP), 1189		D
Conditional Selection	Minute Volume, 1307		D
Filter disabled and up to date.	Mandatory Respiration Rate Setting, 1320		D
Unit Translation	Tidal Volume Setting, 1321	Apollo	D
Filter activated and up to date	Tidal Volume Setting, 1321	Fabius Tiro	D
Filter activated and up to date	Tidal Volume Setting, 1321	Fabius MRI	D
Timestamps Rounding	Pressure Support Level Above PEEP Setting, 1332		D
Filter activated and up to date	Inspiratory Flow Trigger Setting 1282		n
Value Mapping	<		
Filter activated and up to date	Add rule 🔣 Remove rule 😣 Remove all	I rules Copy rule	Move rule up Mo
Filter activated and up to date			Informat
Identifier Mapping Filter disabled and up to date.	Data Selection This DMM selects the variables to remove from (or keep in the data stream.	

Advanced: SmartLinx Outputs

- Output connectors send HL7 messages to defined recipients
- Can be configured using a number of different profiles
- Each output has a corresponding "loopback" a broadcast port that we can view messages in the same configuration as the output.



Advanced: HL7 Loopbacks

- Should be stopped when not in use to conserve resources on the server
- Configured as a "server" listening on a port configured locally with the same output settings as one of the clients sending data to Ensemble, Data Lake or Bernoulli
- Pipeline to Output connector mapping can be seen in the "Muli-feed" tab

: Me	∎ (Summary	Neuron	s c		DMM	<u>}</u>	Outpu		Hulti-feed	
Ľ	+Add	Modify	Remove	Start	Stop	🕦 Start Al	C Stop	All	Discar	d Queue Data	Output Stream
Ŀ	Name		-	уре			Communicati	on Setting	js		
ι.	CAlarmDat	a	S	ocket Server Tra	ansport		isten on 172.	.18.101.2	36 port 702	25	
ι.	EpicProd		S	ocket Client Trar	nsport	I	Connect to Lo	ocalHost p	ort 7001		
ι.	HighRest	Params	S	ocket Server Tra	ansport		isten on 172.	.18.101.2	36 port 703	30	
ι.	🜔 OutToKin	n	S	ocket Client Trar	nsport	I	Connect to PH	HSQLWEI	B437 port 7	7040	
	<u> </u>		-	· -· -				· · - ·	-		

🔯 HL7 (Output from : HighResParams
NSH ^~\	& DATACAPTOR MGH 20200608085635 ORU^R01 0608085635341d61 P 2.3 8859/1
PID 312	20756 19440217 F 3307828083
PV1 M(GH B08^B0878^B0878 A^MGH^^^B850
OBRIIIII	20200608085644 {7780CDBA-F8B0-4F2D-9E42-B0F97C0EEB76}^CARESCAPE B850 MGH B08 B087
DBX[1]N	M/2664/BP1/11/139/JII/F/J/20200608085644/
DBXİ2İN	IMI501 BP1 10800 11 F 20200608085644
овхізім	IMI502 BP1 5600 11
) BXİ4İN	IMİ503 BP1 7600 11 F 20200608085644
DBXİ5İN	IMI1242IBP118811IIIIIFIII20200608085644I
DBX16IN	IMI2664IBP2111139IIIIIFIII20200608085644I
DBXİ7İN	IMI504IBP2I2800I11IIIIIFIII20200608085644
овхівім	IMİ505İBP2İ1100İ11İİİİİFİİİ20200608085644İ
овхізім	IMİ506İBP2İ1800İ11İİİİİFİİİ20200608085644İ
OBX110	NMI2664IBP3111139IIIIIFIII20200608085644I
DBXI11	NMI4093IBP31900111IIIIIFIII20200608085644
BX112	NMI2664/BP4/31139/////FIII/20200608085644
DBXI13	NMI2664/BP5/01139/////F/II/20200608085644/
DBXI14	MI2664BP60139IIIIFIII20200608085644
DBXI15	NM/2664/BP7/0/139/////F///20200608085644
DBXI16	NM/2664/BP8/0139////FI/20200608085644