

Description	Board Part Number	Assembly Number	Schematic	IZP-70101-R000	IZP-70101-R001	IZP-70101-R002	IZP-70101-R003	
Mother Board	375-1354	801-0696-51	012-1354-51	X	X	X	X	
CPU board	375-1353	801-0693-51	012-1353-51	X	X	X	X	
Metering Piggyback board (Option)	375-1371	801-0716-51	012-1371-51	X	X	X	X	
AC Distribution	375-1370	801-0715-51	012-1370-51	X	X	X	X	
PCBA, NBOX, 2S/12S POWER SUPPLY	375-1355	801-0697-51	012-1355-51	X	X	X	X	
MC5728V EV-DO Module		860-0416-51 (MC5728V)			X		X	
EV-DO Interface Board	375-1359	801-0700-51	012-1359-51		X		X	
DNIP-350 Wi-Fi AP Option (2.4 and 5.8 GHz 802.11a/an/g/gn)		860-0411-51 (I	DNIP350-schematics.pdf			X	X	
Wi-Fi Interface Board	375-1371	801-0732-51	012-1371-51			X	X	
Badger Orion Gateway (900 MHz ISM Band RX) (Option)		65893-003	Orion Micro RX	X	X	X	X	
Badger Interface Board (IFB)	375-1394	801-0751-51	012-1394-51	X	X	X	X	
RS-232 Serial Interface (Option)	375-1358	801-0701-51	012-1358-51	X	X	X	X	
PLC Band A interface (86 KHz)	375-1356	801-0698-51	012-1356-51	X	X	X	X	
PLC Band C interface (132 KHz) (Option)	375-1356	801-0713-51	012-1368-51	X	X	X	X	

[illegible]

					FCC ID Number				
File Name	Type	Description	Part of Basic ECN 70101	Option Available for Multiple Radio TX Configurations	IZP-70101-R000	IZP-70101-R001	IZP-70101-R002	IZP-70101-R003	Comment
82525 n-box evdo pattern 8-2-10_V2	Doc	N Box EV-DO Antenna Pattern							This is probably obsolete, replaced by "ECN-70101-001"
2111350_MCS5728V_Product_Specification_rev1.2	PDF	MCS5728V EV-DO Module Specification				X		X	
BLOCK DIAGRAM	PDF	ECN 70101 Series block Diagram	X		X	X	X	X	
ECHELON Long term confidentiality agreement_ECN_draft	PDF	Long term confidentiality agreement for s	X		X	X	X	X	
ECN 70101 Schematics									
012-1350-51A_Schematic	PDF	Dual Band 2425, 5500 MHz Antenna, dual dipole, schematic					X	X	
012-1351-51A SCHEMATIC	PDF	EV-DO Tri Band Antenna 750, 850, 925, 1900 MHz, schematic				X		X	
012-1353-5132 SCHEMATIC	PDF	SCHEMATIC, NBOX MAIN PROCESSOR BOARD	X		X	X	X	X	
012-1354-5126 SCHEMATIC	PDF	SCHEMATIC, NBOX MOTHERBOARD	X		X	X	X	X	
012-1355-5130 nbox Power Supply schematic	PDF	nBOX, Power Supply Board, Front End	X		X	X	X	X	
012-1356-5126 schematic	PDF	SCHEMATIC, NBOX, A-BAND PLC	X		X	X	X	X	
012-1358-5125 Schematic	PDF	SCHEMATIC, NBOX SERIAL (RS-232)		X	X	X	X	X	
012-1359-5126_Schematic	PDF	Schematic, EV-DO Interface board				X		X	
012-1368-5127 schematic	PDF	SCHEMATIC, NBOX C-BAND PLC		X	X	X	X	X	
012-1370-5126 SCHEMATIC	PDF	nBOX, MAIN AC DISTRIBUTION	X		X	X	X	X	
012-1371-5127 Schematic	PDF	SCHEMATIC, NBOX METERING PIGGYBACK		X	X	X	X	X	
012-1381-5125 Schematic	PDF	SCHEMATIC, NBOX, WIFI ADAPTOR					X	X	
012-1409-5125 Schematic	PDF	Single Band 2425 MHz Antenna, with network to increase rejection at 1575 MHz, schematic					X	X	
835-0774-51_PCBAs	XLS	ECN 7000 Series PCB BOMs	X		X	X	X	X	
Manuals_Specifications									
Operational Description	DOCX	ECN 7650 Hardware Functional Specification	X		X	X	X	X	
Installation Guide	PDF	Edge Control Node 7000 Series Hardware and Installation Guide -Preliminary	X		X	X	X	X	
ECN7000series_FTU	PDF	ECN 7000 series data sheet	X		X	X	X	X	
Photographs									
MCS5728V_Top5-IMG_0294	JPG					X		X	
MCS5728V_Bottom5-IMG_0298	JPG					X		X	
Internal Photos CDMA Module	PDF					X		X	
EV-DO_Board_Top1-IMG_0271	JPG					X		X	
EV-DO_Board_Bottom1-IMG_0272	JPG					X		X	
DNIP350-Top3-IMG_0270	JPG						X	X	
DNIP350-Bottom1-IMG_0269	JPG						X	X	
Badger_Orion-GW_Top2-IMG_0277	JPG			X	X	X	X	X	
Badger_Orion-GW_Bottom1-IMG_0278	JPG			X	X	X	X	X	
Badger_IFB_Top1-IMG_0279	JPG			X	X	X	X	X	
Badger_IFB_Bottom1-IMG_0280	JPG			X	X	X	X	X	
ECN-70101_Case_Removed1-IMG_0288	JPG		X		X	X	X	X	
ECN-70101_Case_Removed2-IMG_0289	JPG		X		X	X	X	X	
ECN-70101_Partially Disassembled3-IMG_0283	JPG		X		X	X	X	X	
ECN-70101_Partially Disassembled5-IMG_0285	JPG		X		X	X	X	X	
ECN-70101_Partially Disassembled6-IMG_0286	JPG		X		X	X	X	X	
Left Wi-Fi Antennas from Right Side-1-DSCN0053	JPG						X	X	
Primary EV-DO Antenna-DSCN0054	JPG					X		X	
Right Badger Antenna-DSCN0055	JPG			X	X	X	X	X	
Right Wi-Fi Antennas from Right Side-1-DSCN0052	JPG						X	X	
Wi-Fi Antennas from Right Side-1-DSCN0051	JPG						X	X	
Note: The antennas are present even if the option they are used for is not present									